Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

March 16, 2022

Via Electronic Mail

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
79 Putnam Pike, Killingly (Dayville), Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Town of Killingly ("Town") in June of 1998. Cellco's shared use of the tower was approved by the Siting Council ("Council") in September of 2008 (EM-VER-069-080725). A copy of the Town's approval and Council's EM-VER-069-080725 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) new MX06FRO660-03 antennas on its existing antenna platform. Cellco also intends to replace six (6) remote radio heads ("RRHs') with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and the specifications for Cellco's new antennas and RRHs are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Town's Chief Elected Official and Land Use Officer. The Town is the owner of the Property.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on its existing antenna platform.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials is included in Attachment 6.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Mary Calorio, Killingly Town Manager
Ann-Marie Aubrey, Director of Planning and Development
Karla Hanna, Verizon Wireless

ATTACHMENT 1

DATE: 6/18/98

TOWN OF KILLINGLY, CONNECTICUT
ZONING PERMIT

№ 006352

Complete Items #1-9 and the plot plan on the reverse side of the top sheet.

1. Location of Property 79 Putnam Pike
   House # & Street
   Tax Map Number 4683 Block 329 Lot 1 Zoning District LD Volume 34 Page 1 List 6991
2. Property Owner's Name Town of Killingly Phone
3. Property Owner's Address if different from property location 172 Main St.
4. Applicant's Name and Address if different from Property Owner's Name and Address ~~Robert~~ Omnipoint
   25 Van Zant St Norwalk CT Phone 203-855-5427

5. Lot Size 30,000 sq ft Lot Frontage 100'
6. This permit is applied for in accordance with the requirements of the Town of Killingly and/or Borough of Danielson Zoning Regulations for:
   - ☒ new construction
   - ☐ addition
   - ☐ accessory structure (sheds, satellite dishes, etc.)
   - ☐ swimming pool
   - ☐ excavating/filling/earth removal
   - ☐ sign
   - ☐ change of use
   - ☐ other
7. Proposed structure or project —
   Provide description and dimensions:
   Construction of a 150' monopole with related telecommunication facilities

8. Property Use:
   - ☐ single family residential
   - ☐ two-family residential
   - ☐ mobile home — residential
   - ☐ multi-family — residential
   - ☐ Industrial specify
   - ☒ Commercial specify telecommunication facility
   - ☐ Professional and Business specify

9. PERMIT VOID IF ...
work or activity is not commenced within one year from the date of issue and diligently prosecuted to completion.
This permit, if issued, is based upon the plot plan submitted. Falsification, by misrepresentation or omission, or failure to comply with the conditions of approval of this permit shall constitute a violation of the Town of Killingly and/or Borough of Danielson Zoning Regulations.
Agents of the Town of Killingly are authorized to enter upon the property for the purpose of inspection and verification of compliance with the terms of this permit.

(Signature of Owner or authorized agent)

203-855-5427
(Agent's phone #)

FOR OFFICE USE ONLY:

Inland Wetlands NA - no impact to wetlands 6-18-98
Historic District? Yes (No)
Slope greater than 15%? Yes (No)
Flood Hazard Zone? NO
Aquifer Protection Zone? (Yes) No
Public Sewer (On-Site Septic)
Site Plan Review Necessary? (Yes) No
Applicant's Name
Application No.
P&Z Commission Approval Date

Driveway Permit
Special Permit necessary? (Yes) No
Applicant's Name Omni Point
Application No. 98-706
P&Z Commission Approval Date 5-13-98
Subdivision necessary? Yes (No)
Applicant's Name
Application No.
P&Z Commission Approval Date
Variance Necessary? Yes (No)
Applicant's Name
Application No.
ZBA Approval Date

Approved ✓ Disapproved Date 6-18-98
Reason for Disapproval:
Comments: Able to condition approval of SP #98-706 Condition 1-5

George C Dion
Zoning Enforcement Officer

Orig./White: Z.E.O. / Blue: P &Z / Green: Bldg. Official / Yellow: Applicant

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso
Chairman

September 2, 2008

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

RE: **EM-VER-069-080725** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 79 Putnam Pike, Killingly, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies, with the following conditions:

- The applicant shall take steps to reduce the post-construction structural ratings (i.e. maximum stress ratios) to not more than 100 percent; and
- A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be submitted to the Council to certify that the post-construction structural ratings (i.e. maximum stress ratios) of not more than 100 percent have been achieved.

The proposed modifications are to be implemented as specified here and in your notice dated July 25, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

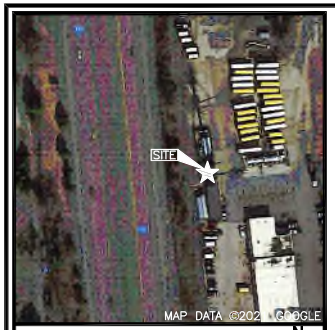
Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP/jb

c: The Honorable Janice Thurlow, Chairman Town Council, Town of Killingly
Bruce E. Benway, Town Manager, Town of Killingly
Roger Gandolf, Zoning Officer, Town of Killingly

ATTACHMENT 2



VICINITY MAP

SCALE: N.T.S.

APPROXIMATE COORDINATES:	LATITUDE:	N41° 50' 50.65"
	LONGITUDE:	W71° 52' 44.25"

NOTE:

AN ANALYSIS OF THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC.
DATED: JANUARY 17, 2022 (REV.1)

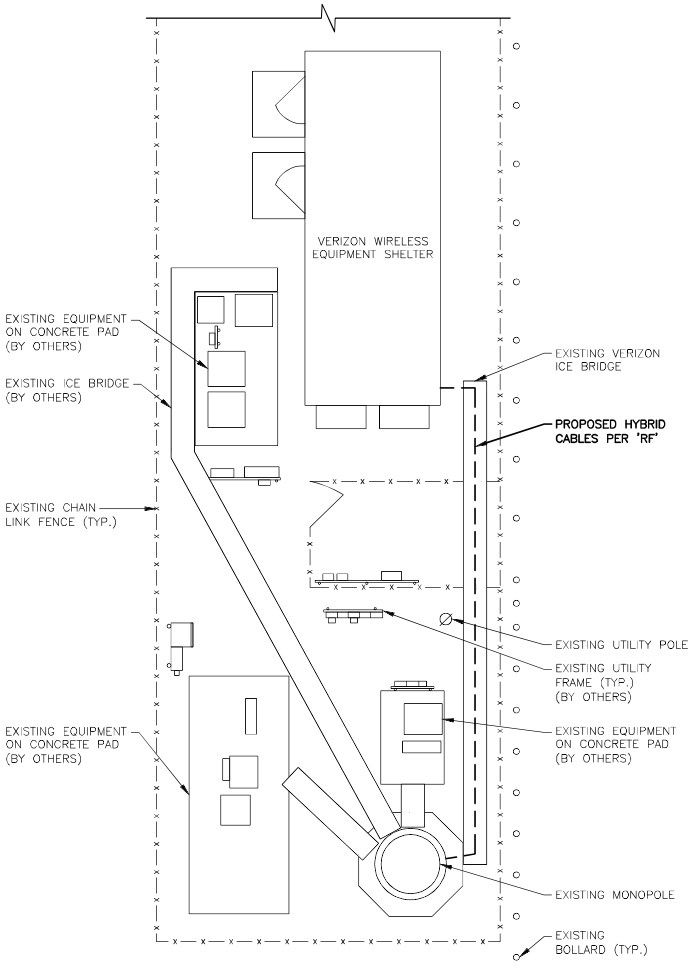
NOTE:

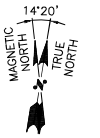
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING IS BASED UPON THE LATEST MOUNT ASSESSMENT BY: MASER CONSULTING P.A.

NOTE:

PROPOSED MT6407-77A ANTENNA SIZE AND WEIGHT ARE NOT TO EXCEED:

DIMENSIONS H35.12"xW16.06"xD5.51"
WEIGHT (INCLUDING INTEGRATED RRH) 87.1 LBS





COMPOUND PLAN (1 / A-1)
22x34 SCALE: 3/16"=1'-0"
11x17 SCALE: 3/32"=1'-0"

(1 / A-2)

GRAPHIC SCALE
0 2'-8" 5'-4" 10'-8" 16'-0"

FIELD INSPECTION DATE: 03-22-2021

SCOPE

1. EXISTING (9) ANTENNAS TO BE REMOVED, EXISTING (3) ANTENNAS TO REMAIN, INSTALL (9) PROPOSED ANTENNAS PER 'RF'.
2. INSTALL (3) SIDE-BY-SIDE MOUNTS PER 'RF'.
3. EXISTING (6) RRHS TO BE REMOVED, INSTALL (9) PROPOSED RRHS PER 'RF'.
4. EXISTING (2) OVPS TO BE REMOVED, INSTALL (1) OVP PER 'RF'.
5. EXISTING (2) HYBRID CABLES TO BE REMOVED, INSTALL (1) PROPOSED HYBRID CABLE PER 'RF'
6. ALL REPLACEMENT ANTENNAS TO MATCH EXISTING CONDITION & HEIGHTS.
7. RECONFIGURE/RELOCATE EXISTING ANTENNA MOUNTS AS NECESSARY TO ACCOMMODATE HORIZONTAL SEPARATION, PROPOSED AZIMUTHS, AND ANTENNAS CONFIGURATION.

NEW ANTENNA CONFIGURATION

NOTE TO GENERAL CONTRACTOR:

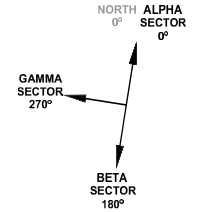
'RF' DESIGN AND EQUIPMENT IS BASED UPON **RFDS ISSUED BY VZW DATED: JANUARY 06, 2022 REVISION #3**

THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE 'RF' LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.

NOTES

1. NORTH SHOWN AS APPROXIMATE.
2. SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
3. ANTENNAS WILL BE CAMOUFLAGED WITH 3M WRAP OR SHERWIN-WILLIAMS PRO INDUSTRIAL DTM ACRYLIC PAINT, AS NEEDED, PER VERIZON WIRELESS AND BUILDING OWNER'S APPROVAL.
4. PRIOR TO COMMENCEMENT OF ANY WORK, PROPOSED ANTENNA INSTALLATION IS PURSUANT TO FINDINGS DICTATED IN STRUCTURAL ANALYSIS. STRUCTURAL ANALYSIS TO VERIFY CAPACITY OF EXISTING STRUCTURE TO ENSURE STRUCTURAL INTEGRITY FOLLOWING INSTALLATION OF PROPOSED ANTENNAS, COAX CABLES AND REQUIRED HARDWARE. COPY OF STRUCTURAL ANALYSIS TO BE SENT TO DESIGN ENGINEER.
5. CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, VERIZON WIRELESS ANTENNA MOUNT LOCATION AND ANTENNAS TO BE INSTALLED.
6. CONTRACTOR SHALL NOTIFY ENGINEERS IF FIELD CONDITIONS DIFFER FROM DESIGN.
7. RAD CENTERS MEASURED IN THE FIELD WITH LASER BY HDG. RAD CENTERS MAY NOT MATCH RF ANTENNA DESIGN SHEET.

ANTENNA ORIENTATION



PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

verizon

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	01/28/22	REVISED PER NEW RFDS	SF
1	11/09/21	ISSUED FOR REVIEW	JJ
0	10/25/21	ISSUED FOR REVIEW	GA

SITE NAME:
KILLINGLY CENTER CT (5GSB6 2021)

SITE ADDRESS:
79 PUTNAM PIKE
DAYVILLE, CT 06241

SHEET TITLE
COMPOUND PLAN

SHEET NUMBER
A-1

NOTE:

PROPOSED MT6407-77A ANTENNA SIZE AND WEIGHT ARE NOT TO EXCEED:

DIMENSIONS H35.12"xW16.06"xD5.51"
WEIGHT (INCLUDING INTEGRATED RRH) 87.1 LBS

NOTE:

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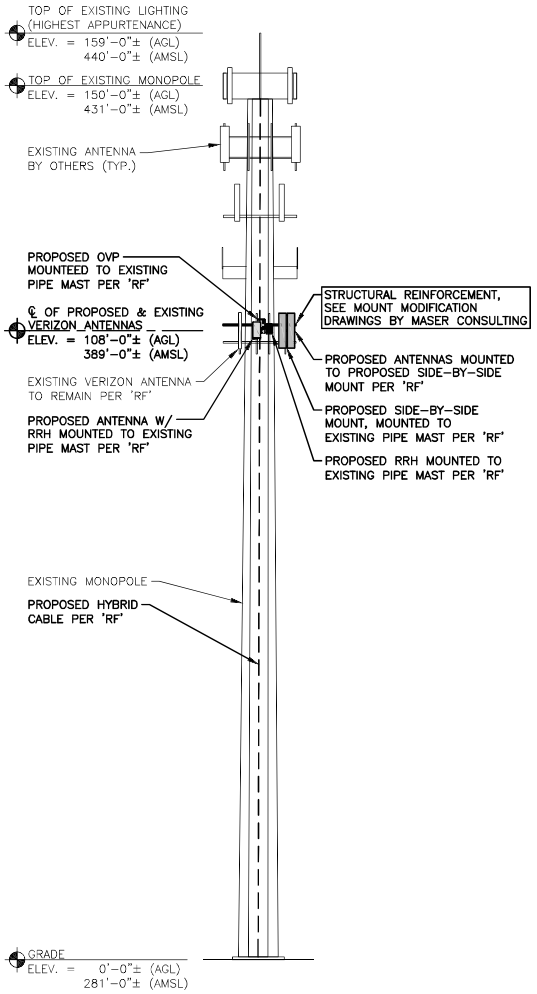
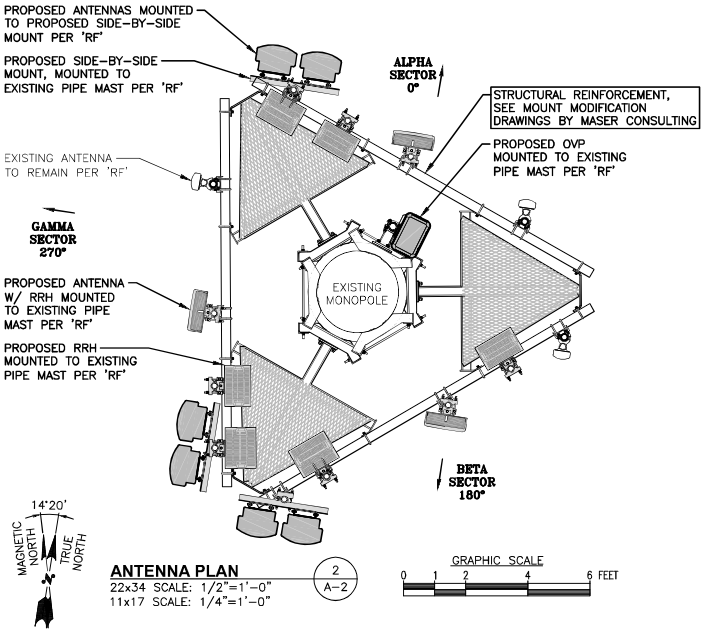


ELEVATION 1 / A-2
22x34 SCALE: 3/32"=1'-0"
11x17 SCALE: 3/64"=1'-0"

GRAPHIC SCALE
0 5'-4" 10'-8" 21'-4" 32'-0"



ANTENNA PLAN 2 / A-2
22x34 SCALE: 1/2"=1'-0"
11x17 SCALE: 1/4"=1'-0"

GRAPHIC SCALE
0 1 2 4 6 FEET

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.
verizon

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REV.	DATE	DESCRIPTION	BY
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SITE NAME:
KILLINGLY CENTER CT (5GSB6 2021)

SITE ADDRESS:
79 PUTNAM PIKE
DAYVILLE, CT 06241

SHEET TITLE
ELEVATION & ANTENNA PLAN

SHEET NUMBER
A-2

STRUCTURAL NOTES:

1. DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, INTERNATIONAL BUILDING CODE, EIA/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA, TOWERS AND ANTENNA SUPPORTING STRUCTURES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD.
3. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy=50 ksi), MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE INDICATED.
5. STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
6. STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 TYPE-X "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 3/4" DIA UON.
7. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
8. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
9. FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZIRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
10. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND D.I.I. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL". 14TH EDITION.
11. INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
12. UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
13. EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS. AN INTERNALLY THREADED INSERT, A SCREEN TUBE AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI-HIT HY-270 AND OR HY-200 SYSTEMS (AS SPECIFIED IN DWG.) OR ENGINEERS APPROVED EQUAL.
14. EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I, HILTI KWIK BOLT III OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
15. LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
16. WHERE ROOF PENETRATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT AND COORDINATE RELATED WORK WITH THE BUILDING OWNER AND THE EXISTING ROOF INSTALLER. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT VOID THE EXISTING ROOF WARRANTY. ROOF SHALL BE WATERTIGHT.
17. ALL FIBERGLASS MEMBERS USED ARE AS MANUFACTURED BY STRONGWELL COMPANY OF BRISTOL, VA 24203. ALL DESIGN CRITERIA FOR THESE MEMBERS IS BASED ON INFORMATION PROVIDED IN THE DESIGN MANUAL. ALL REQUIREMENTS PUBLISHED IN SAID MANUAL MUST BE STRICTLY ADHERED TO.
18. NO MATERIALS TO BE ORDERED AND NO WORK TO BE COMPLETED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED IN WRITING.
19. SUBCONTRACTOR SHALL FIREPROOF ALL STEEL TO PRE-EXISTING CONDITIONS.

SPECIAL INSPECTIONS (REFERENCE IBC CHAPTER 17):

GENERAL: WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE INSPECTION CHECKLIST ABOVE.

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THOSE PERSONNEL MEET THE QUALIFICATION REQUIREMENTS.

STATEMENT OF SPECIAL INSPECTIONS: THE APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 107.1 AS A CONDITION FOR ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 1705.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS SHALL BE SUBMITTED.

SPECIAL INSPECTION CHECKLIST

BEFORE CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
N/A	ENGINEER OF RECORD APPROVED SHOP DRAWINGS [1]
N/A	MATERIAL SPECIFICATIONS REPORT [2]
N/A	FABRICATOR NDE INSPECTION
REQUIRED	PACKING SLIPS [3]
ADDITIONAL TESTING AND INSPECTIONS:	
DURING CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	STEEL INSPECTIONS
N/A	HIGH STRENGTH BOLT INSPECTIONS
N/A	HIGH WIND ZONE INSPECTIONS [4]
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMP. STRENGTH, SLUMP TESTS AND PLACEMENT
N/A	POST INSTALLED ANCHOR VERIFICATION [5]
N/A	GROUT VERIFICATION
N/A	CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
N/A	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT
ADDITIONAL TESTING AND INSPECTIONS:	
AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWINGS [6]
N/A	POST INSTALLED ANCHOR PULL-OUT TESTING
REQUIRED	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTES:

1. REQUIRED FOR ANY NEW SHOP FABRICATED FRP OR STEEL.
2. PROVIDED BY MANUFACTURER, REQUIRED IF HIGH STRENGTH BOLTS OR STEEL.
3. PROVIDED BY GENERAL CONTRACTOR; PROOF OF MATERIALS.
4. HIGH WIND ZONE INSPECTION CATB 120MPH OR CAT C,D 110MPH INSPECT FRAMING OF WALLS, ANCHORING, FASTENING SCHEDULE.
5. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.8.2.4.
6. AS REQUIRED; FOR ANY FIELD CHANGES TO THE ITEMS IN THIS TABLE.

NOTES:

1. ALL CONNECTIONS TO BE SHOP WELDED & FIELD BOLTED USING 3/4"ø A325-X BOLTS, UNLESS OTHERWISE NOTIFIED.
2. SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED BEFORE ORDERING MATERIAL.
3. SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED PRIOR TO STEEL FABRICATION.
4. VERIFICATION OF EXISTING ROOF CONSTRUCTION IS REQUIRED PRIOR TO THE INSTALLATION OF THE ROOF PLATFORM. ENGINEER OF RECORD IS TO APPROVE EXISTING CONDITIONS IN ORDER TO MOVE FORWARD.
5. CENTERLINE OF PROPOSED STEEL PLATFORM SUPPORT COLUMNS TO BE CENTRALLY LOCATED OVER THE EXISTING BUILDING COLUMNS.
6. EXISTING BRICK MASONRY COLUMNS/BEARING TO BE REPAIRED/REPLACED AT ALL PROPOSED PLATFORM SUPPORT POINTS. ENGINEER OF RECORD TO REVIEW AND APPROVE.

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

verizon

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	01/28/22	REVISED PER NEW RFDS	SF
1	11/09/21	ISSUED FOR REVIEW	JJ
0	10/25/21	ISSUED FOR REVIEW	GA

SITE NAME:
KILLINGLY CENTER CT (5GSB6 2021)

SITE ADDRESS:
79 PUTNAM PIKE
DAYVILLE, CT 06241

SHEET TITLE
STRUCTURAL NOTES & SPECIAL INSPECTIONS

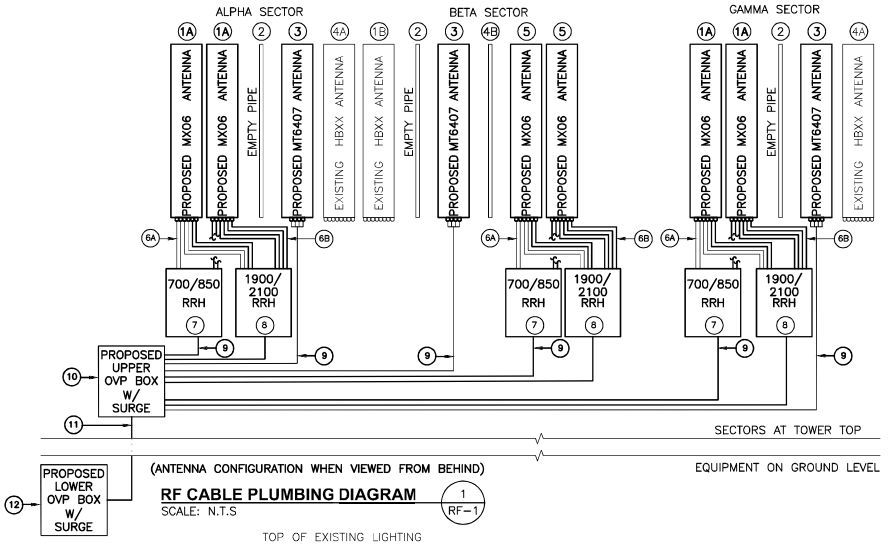
SHEET NUMBER
SN-1

BILL OF MATERIAL

SITE NAME: KILLINGLY CENTER CT (5GSB6 2021)

ITEM	DESCRIPTION	QTY	LENGTH	COMMENTS
1A	PROPOSED MX06FRO660-03 ANTENNA	4	–	MOUNTED TO EXISTING PIPE MAST
1B	EXISTING HBXX-6517DS-VTM ANTENNA	1	–	MOUNTED TO EXISTING PIPE MAST
2	EMPTY PIPE MAST	3	–	EMPTY PIPE MAST
3	PROPOSED MT6407-77A ANTENNA W/ RRH	3	–	MOUNTED TO EXISTING PIPE MAST
4A	EXISTING HBXX-6517DS-VTM ANTENNA	2	–	MOUNTED TO EXISTING PIPE MAST
4B	EMPTY PIPE MAST	1	–	EMPTY PIPE MAST
5	PROPOSED MX06FRO660-03 ANTENNA	2		MOUNTED TO EXISTING PIPE MAST
6A	EXISTING 1/2" TOP COAX JUMPERS	12	–	ROUTE FROM RRH TO ANTENNA
6B	PROPOSED 1/2" TOP COAX JUMPERS	24	15 FT.	ROUTE FROM RRH TO ANTENNA
7	PROPOSED SAMSUNG RRH RF4440D-13A	3	–	MOUNTED TO EXISTING PIPE MAST
8	PROPOSED SAMSUNG RRH RF4439D-25A	3	–	MOUNTED TO EXISTING PIPE MAST
9	PROPOSED SAMSUNG FIBER JUMPER CABLES	9	15 FT.	ROUTE FROM OVP TO ANTENNA
9	PROPOSED SAMSUNG POWER JUMPER CABLES	9	15 FT.	ROUTE FROM OVP TO ANTENNA
10	PROPOSED UPPER OVP-12	1	–	MOUNTED TO EXISTING PIPE MAST
11	PROPOSED 12x24 HYBRID CABLE	1	190 FT.	ROUTE FROM EQUIPMENT TO OVP
12	PROPOSED LOWER OVP-12	1	–	MOUNTED IN EXISTING EQUIPMENT SHELTER

THE ABOVE RF-BOM SHEET IS BASED ON INFORMATION LISTED ON ANTENNA RECOMMENDATION SHEET DATED 01/06/2022

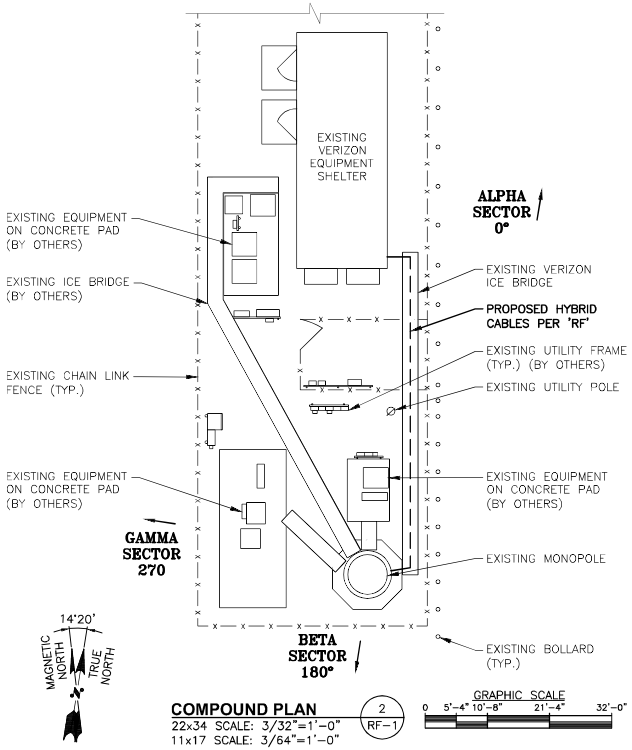


RF CABLE PLUMBING DIAGRAM (1 / RF-1)
SCALE: N.T.S

NOTE:

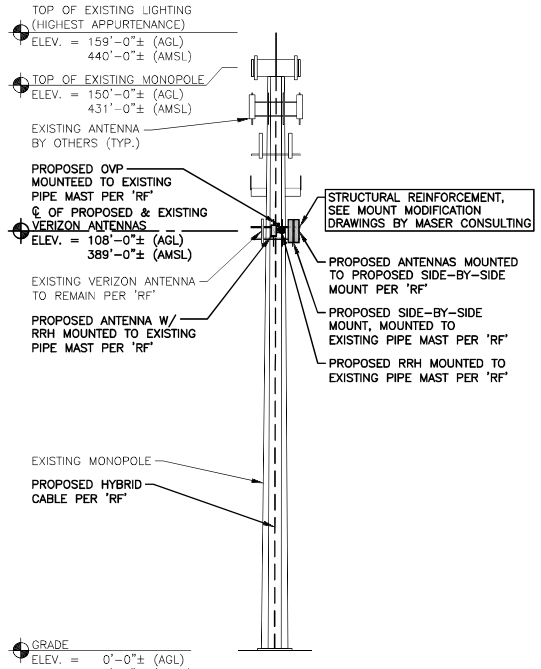
PROPOSED MT6407-77A ANTENNA SIZE AND WEIGHT ARE NOT TO EXCEED:

DIMENSIONS H35.12"xW16.06"xD5.51"
WEIGHT (INCLUDING INTEGRATED RRH) 87.1 LBS



COMPOUND PLAN (2 / RF-1)
22x34 SCALE: 3/32"=1'-0"
11x17 SCALE: 3/64"=1'-0"

GRAPHIC SCALE
0 5'-4" 10'-8" 21'-4" 32'-0"



ELEVATION (3 / RF-1)
22x34 SCALE: 1/16"=1'-0"
11x17 SCALE: 1/32"=1'-0"

GRAPHIC SCALE
0 16 32 64 96 FEET

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.
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STATE OF CONNECTICUT
DANIEL P. HAMM
No.24178
LICENSED PROFESSIONAL ENGINEER

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

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SITE NAME:
KILLINGLY CENTER CT (5GSB6 2021)

SITE ADDRESS:
79 PUTNAM PIKE
DAYVILLE, CT 06241

SHEET TITLE
RF PLUMBING DIAGRAM & BILL OF MATERIALS

SHEET NUMBER
RF-1

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 13.29' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 468784

CARRIER SITE NAME: KILLINGLY CENTER CT
CARRIER SITE NUMBER: 468784
FUZE ID: 16272123

79 PUTNAM PIKE
DAYVILLE, CONNECTICUT 06241
WINDHAM COUNTY

LATITUDE: 41.847403° N
LONGITUDE: 71.878961° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 121 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 268.77'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_s= .184
LONG TERM MCER GROUND MOTION, S_1= .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10117402
VZW LOCATION CODE (PSLC): 468784
ANALYSIS DATE: 11/29/21

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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SCALE: AS SHOWN | JOB NUMBER: 21777120A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	DH
0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	DIX

STATE OF CONNECTICUT
ERIC I. ANDERSON
No. 32224
LICENSED PROFESSIONAL ENGINEER
11/29/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
KILLINGLY CENTER CT
468784
79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
13	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	26" LONG, L3x3x1/4	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	11	33
3	-	-	160" LONG, P2 1/2 STD	GALVANIZED	78	234
3	-	-	84" LONG, P2 1/2 STD	GALVANIZED	41	123
3	SITE PRO 1	SP219-H	CROSSOVER PLATES	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.	29	87
				TOTAL:		735

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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- COLORADO

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STATE OF CONNECTICUT
ERIC T. ANDERSON
No. 32224
LICENSED PROFESSIONAL ENGINEER
11/29/2021

SITE NAME:

KILLINGLY CENTER CT
468784

79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.

4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.

8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.

10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.

11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.

2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.

4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.

5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.

7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.

8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.

9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.

10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.

11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.

12. DO NOT SCALE DRAWINGS.

13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.

14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.

15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE

2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.

4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.

5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.

6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.

8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).

9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.

10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.

11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.

13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).

15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.

2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.

3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.

4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.

5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.

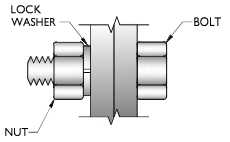
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

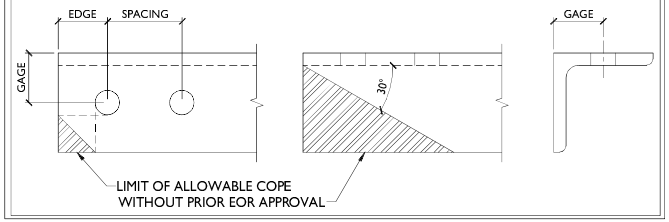


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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SCALE: AS SHOWN | JOB NUMBER: 21777120A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	DH
0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	EK

STATE OF CONNECTICUT · ERIC T. ANDERSON · No. 32224 · LICENSED PROFESSIONAL ENGINEER
11/29/2021

SITE NAME:

KILLINGLY CENTER CT
468784

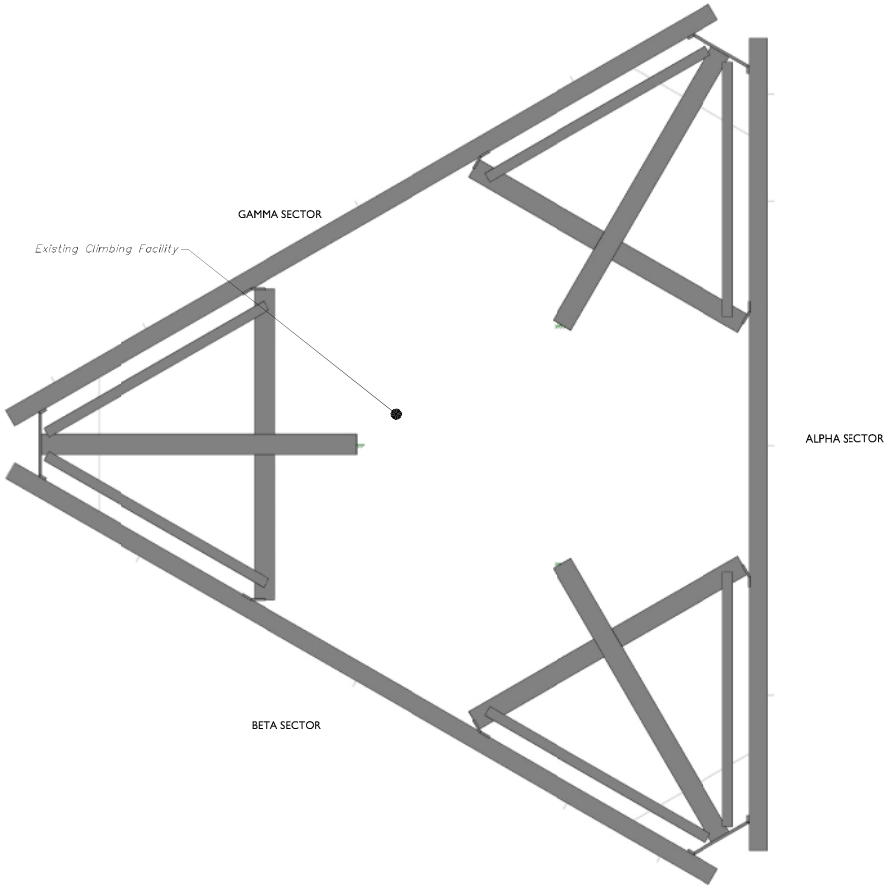
79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP LLC ON 3/22/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (106'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

CLIMBING FACILITY PHOTO

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	EH
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Mount Laurel, NJ 08054
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Fax: 856.722.1120

SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

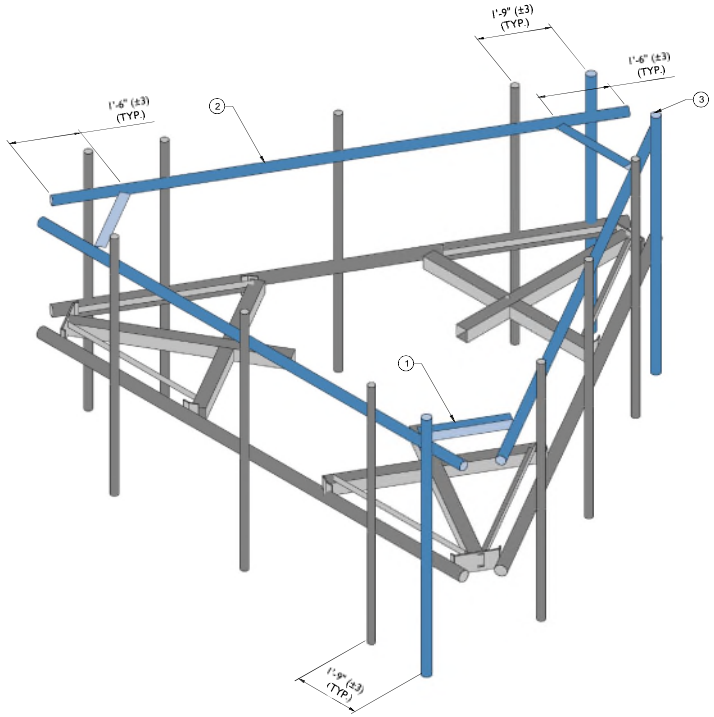
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	106'-6"	3	26" LONG, L3x3x1/4 BRACING	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONTRACTOR SHALL CONNECT NEW ANGLES TO NEW SUPPORT RAIL USING NEW CORNER BRACKETS (VZWSMART-PLK3). CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		3	160" LONG, P2 1/2 STD FACE HORIZONTAL	GALVANIZED, RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT TO ALL EXISTING AND PROPOSED VERTICAL MOUNT PIPES USING NEW CROSSOVER PLATES (PART #: VZWSMART-MSK1).
3		3	84" LONG, P2 1/2 STD MOUNT PIPE	GALVANIZED, CONNECT TO EXISTING LOWER FACE HORIZONTAL USING NEW CROSSOVER PLATES (SITE PRO 1 PART #: SP219-H OR EOR APPROVED EQUIVALENT). TO REPLACE EXISTING PIPE IN POSITION 1 OF ALPHA AND GAMMA. TO BE INSTALLED IN POSITION 5 OF BETA SECTOR.
4				
5				
6				
7				
8				
9				
10				

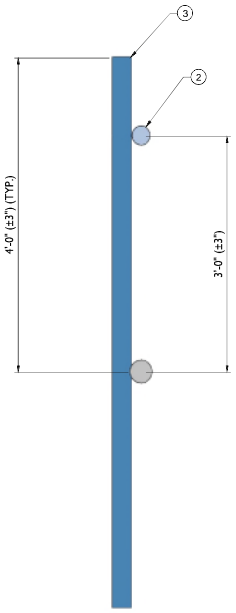
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	EH
0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	EK

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ERIC T. ANDERSON
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WINDHAM COUNTY

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2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :

MODIFICATION DETAILS

SHEET NUMBER :

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	DX

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Fax: 856.722.1120

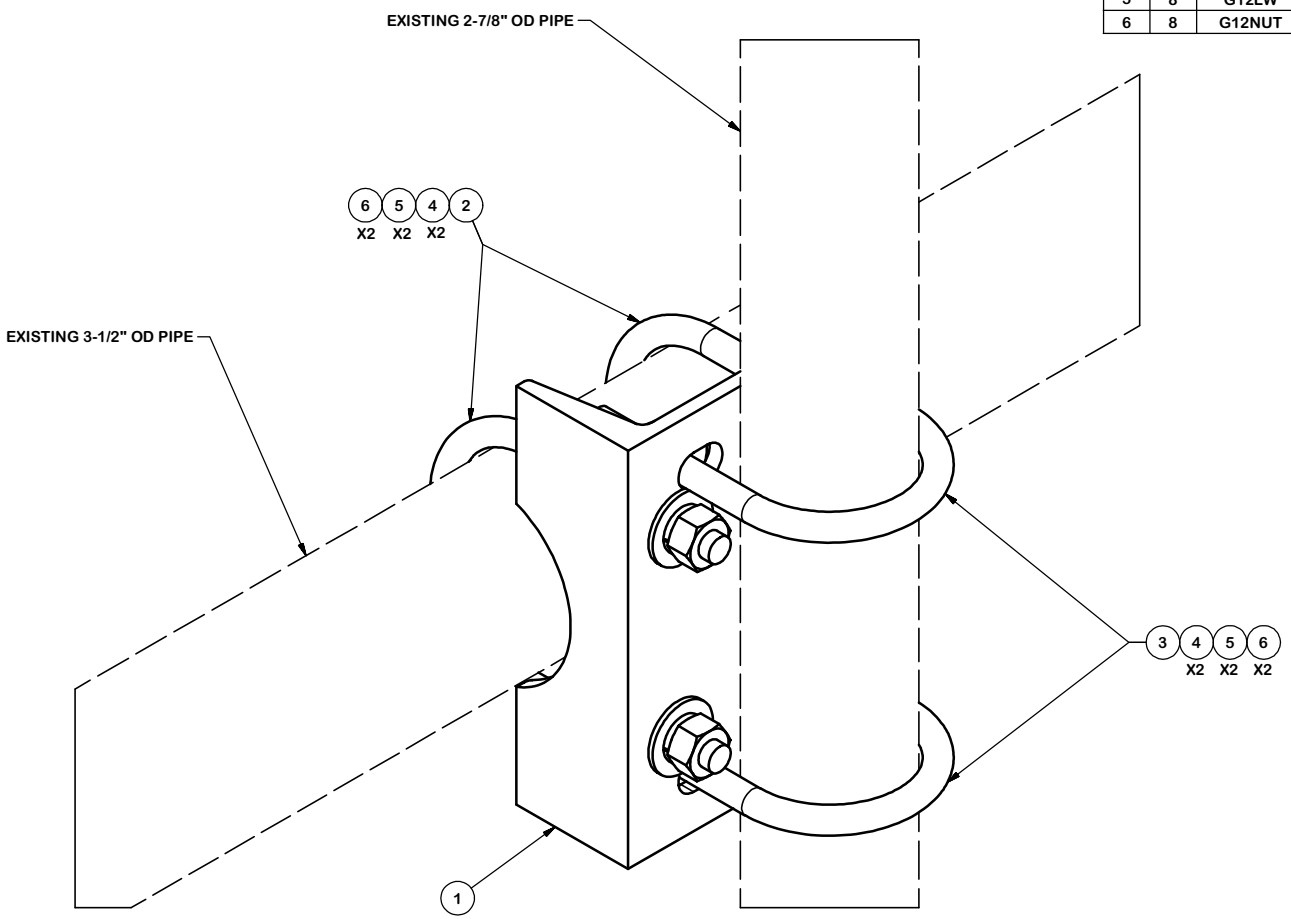
SHEET TITLE:

MOUNT PHOTOS

SHEET NUMBER:

SS-2

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.66	1.31
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.66	1.31
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.61



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

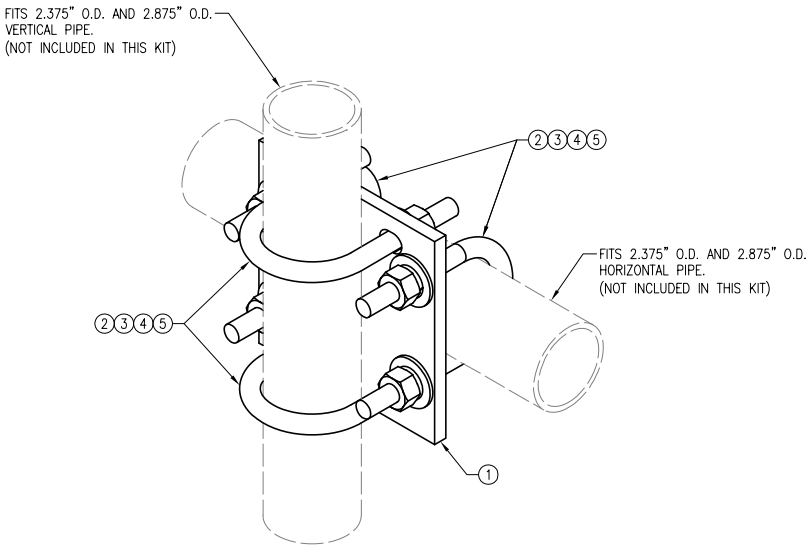
REVISION HISTORY				
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REDRAWN IN INV, UPDATED VIEWS & TABLE		KC8	8-21-2012

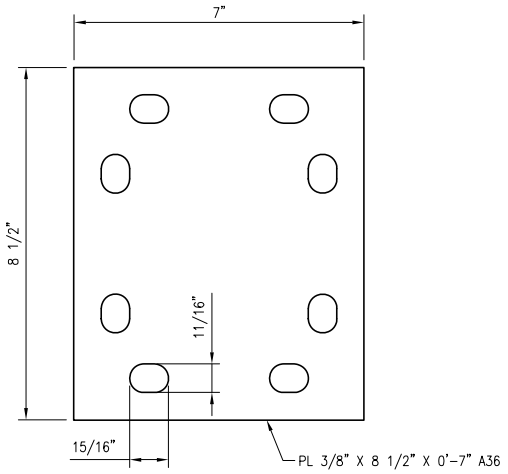
DESCRIPTION
2-7/8" TO 3-1/2"
PIPE MOUNT ASSEMBLY

SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
4518	BMC 6/3/2009		SP219-H	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	CEK 2/18/2013	SP219-H





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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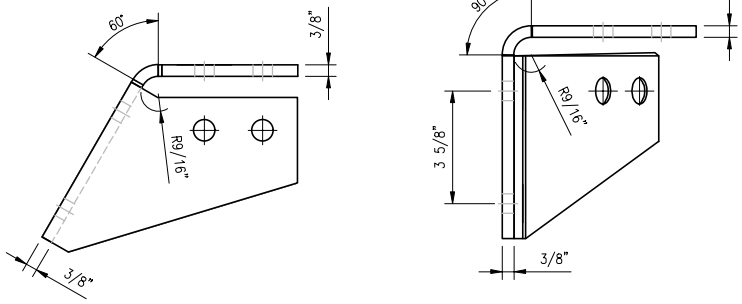
DRAWN BY: H.R	CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

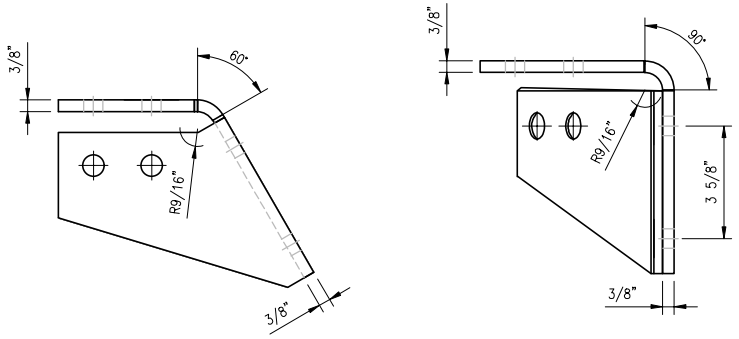
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



TOP VIEW SIDE VIEW

CBP-L



TOP VIEW SIDE VIEW

CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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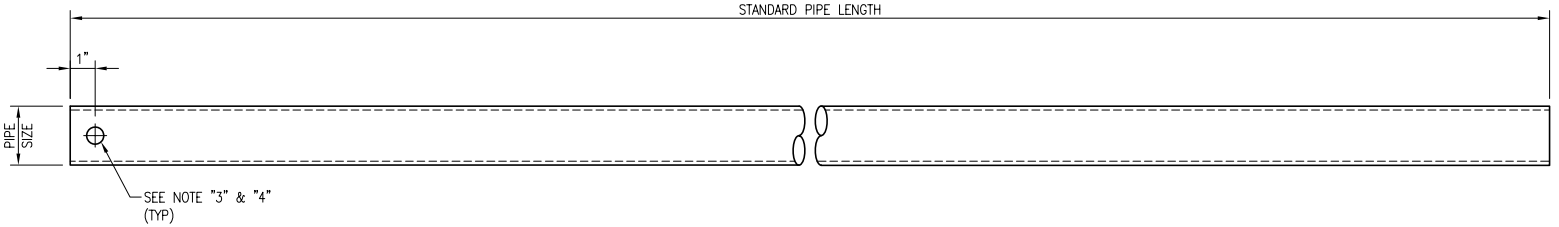
DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER BRACKET

SHEET NUMBER: VZWSMART-PLK3

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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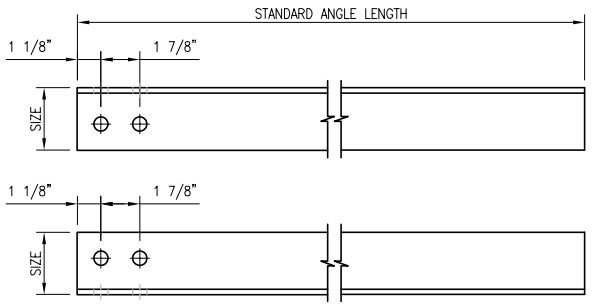
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

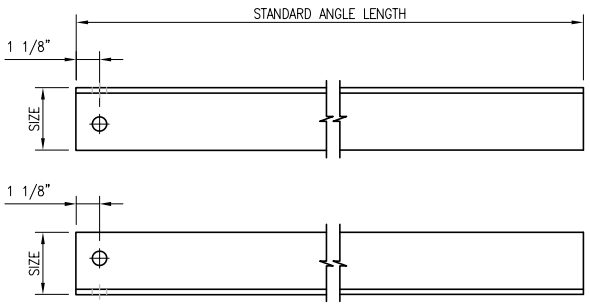
SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE

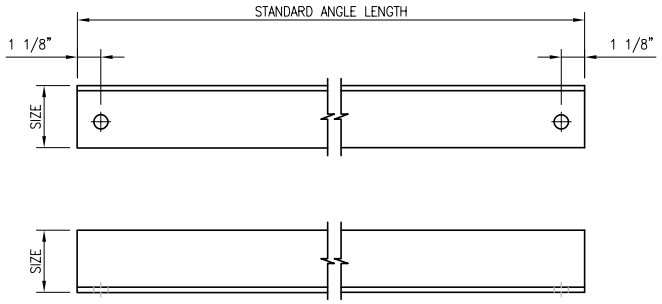
REV #: 0



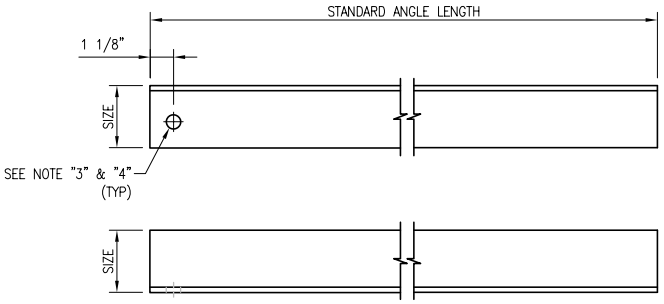
HOLE STYLE "A"



HOLE STYLE "B"



HOLE STYLE "C"



HOLE STYLE "D"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION ANGLES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL ANGLE GRADE A36 OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VZWSMART Standard Angle					
VZWSMART Number	Size	Length	Hole Style	Hole Gage	Also Used In:
A-PLK2-01	L 3" X 3" X 1/4"	96"	A	1-3/4"	VZWSMART-PLK2
A-PLK5-01	L 3"X 3" X 3/16"	96"	B	1-3/4"	VZWSMART-PLK5
A-SFK3-01	L 2-1/2" X 2-1/2" X 1/4"	96"	C	1-3/8"	VZWSMART-SFK3,-SFK3-SL, -PLK6, & -PLK8
A-L25X25X4X120	L 2-1/2" X 2-1/2" X 1/4"	120"	D	1-5/16"	
A-L25X25X4X240	L 2-1/2" X 2-1/2" X 1/4"	240"	D	1-5/16"	
A-L30X30X4X120	L 3" X 3" X 1/4"	120"	D	1-1/2"	
A-L30X30X4X240	L 3" X 3" X 1/4"	240"	D	1-1/2"	
A-L40X40X4X120	L 4" X 4" X 1/4"	120"	D	2"	
A-L40X40X4X240	L 4" X 4" X 1/4"	240"	D	2"	
A-L50X30X6X120	L 5" X 3" X 3/8"	120"	D	2-1/2"	
A-L50X50X6X120	L 5" X 5" X 3/8"	120"	D	2-1/2"	

VzW SMART Tool© Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:

VZWSMART STANDARD ANGLE

SHEET NUMBER: VZWSMART-ANGLE

REV #: 0

SAMSUNG

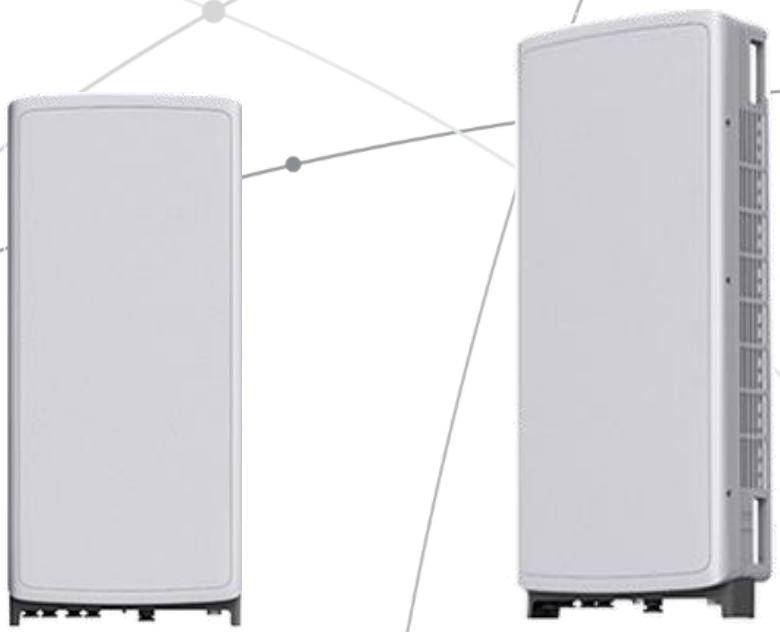
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

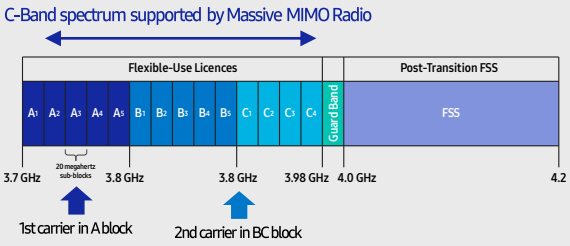


Points of Differentiation

Wide Bandwidth

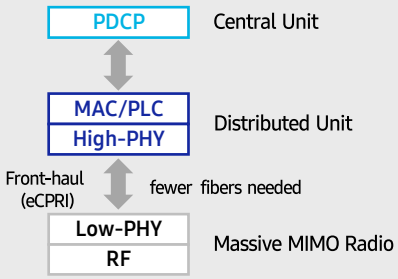
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

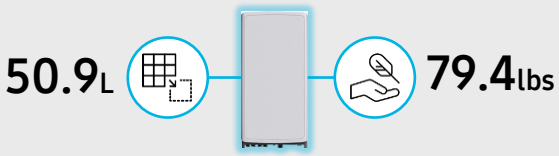
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

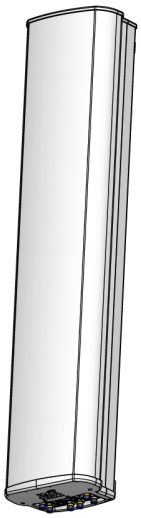
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 6 ft 60° Fast Roll Off antenna with independent tilt on 700 & 850 MHz:

2 ports 698-798, 824-894 MHz and 4 ports 1695-2180 MHz

- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs

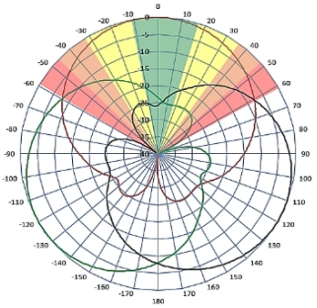


nwav

Fast Roll-Off antennas increase data throughput without compromising coverage

The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors .

Non-FRO antenna



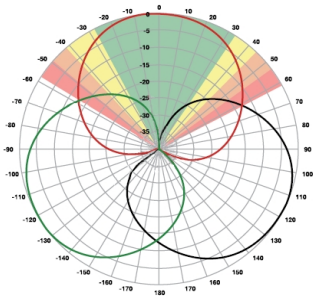
Large traditional antenna pattern overlap creates harmful interference.

JMA's FRO antenna pattern minimizes overlap, thereby minimizing interference.

LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

The LTE radio automatically selects the best throughput based on measured SINR.

JMA FRO antenna



Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990	1920-2180
Polarization	± 45°		± 45°		
Average gain over all tilts, dBi	14.4	14.0	17.6	18.0	18.2
Horizontal beamwidth (HBW), degrees	60.5	53.0	55.0	55.0	55.5
Front-to-back ratio, co-polar power @180°± 30°, dB	>24	>24.0	>25.0	>25.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>15.0	>14.2	>18	>18	>15
Sector power ratio, percent	<3.5	<3.0	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees[1]	13.1	11.8	6.0	5.5	5.5
Electrical downtilt (EDT) range, degrees	2-14	2-14	0-9		
First upper side lobe (USLS) suppression, dB[1]	≤-15.0	≤-16.5	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB[1]	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

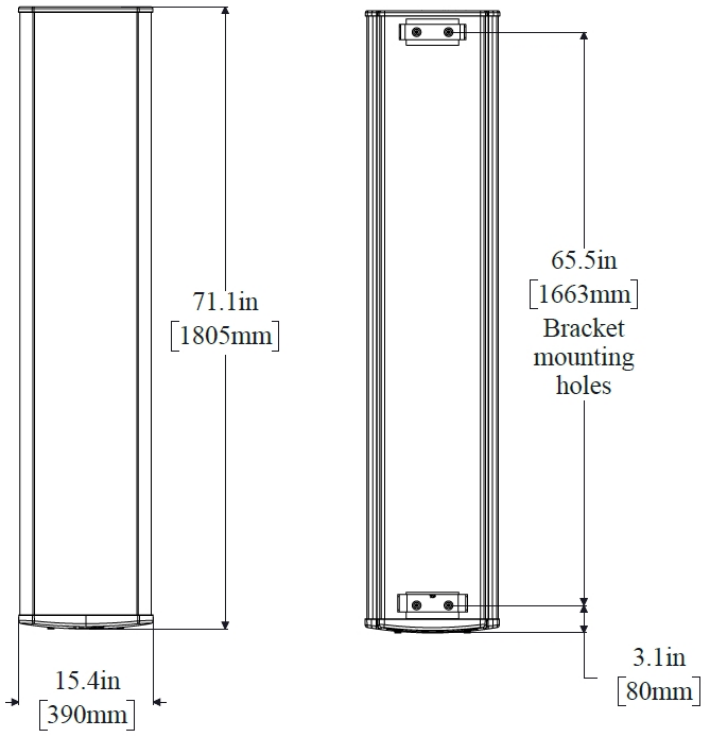
[1] Typical value over frequency and tilt

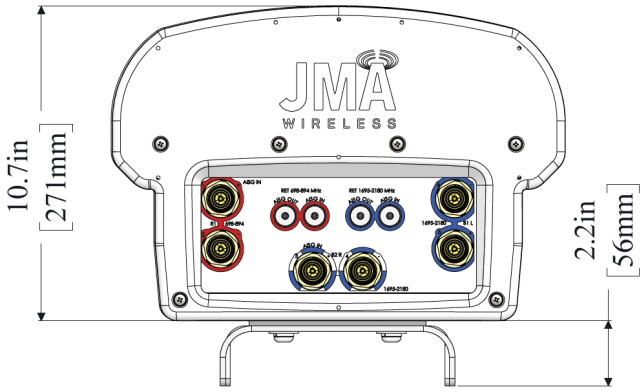
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	71.3/ 15.4/ 10.7 (1811/ 392/ 273)
Shipping dimensions length/width/height, inches (mm)	82/ 20/ 15 (2083/ 508/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf·in (10.85 N·m or 8 lbf·ft)
Net antenna weight, lb (kg)	60 (27.0)
Shipping weight, lb (kg)	90 (41.0)
Antenna mounting and downtilt kit included with antenna	91900318
Net weight of the mounting and downtilt kit, lb (kg)	18 (8.18)
Range of mechanical up/down tilt	-2° to 14°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal, lateral, and rear wind loading @ 150 km/h, lbf (N)	154 (685), 73 (325), 158 (703)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	2.6

Front view | **Back view** | **Bottom view**





Ordering information	
Antenna model	**Description**
MX06FRO660-03	6F X-Pol HEX FRO 60° independent tilt 700/850 RET, 4.3-10 & SBT
Optional accessories	
AISG cables	M/F cables for AISG connections
PCU-1000 RET controller	Stand-alone controller for RET control and configurations

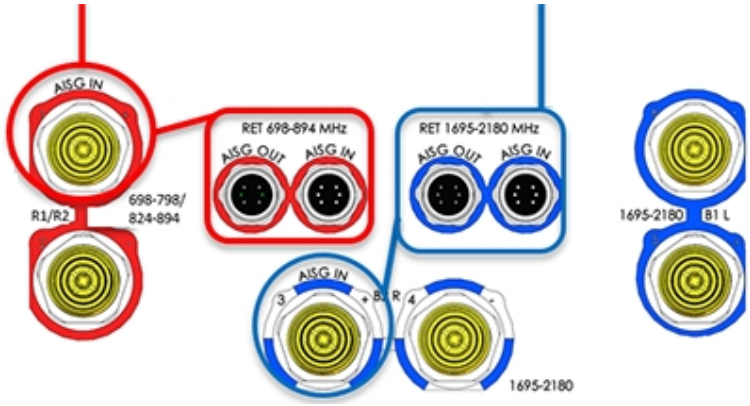
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
RET interface connector location	Bottom of the antenna
Total no. of internal RETs (low bands)	2
Total no. of internal RETs (high bands)	1
RET input operating voltage, vdc	10-30
RET max power consumption, idle state, W	≤ 2.0
RET max power consumption, normal operating conditions, W	≤ 13.0
RET communication protocol	AISG 2.0 / 3GPP

RET and RF connector topology

Each RET device can be controlled either via the designated external AISG connector or RF port as shown below:

RET device	Band	RF port
R1	698-798	1-2
R2	824-894	1-2

RET device	Band	RF port
B1/B2	1695-2180	3-6

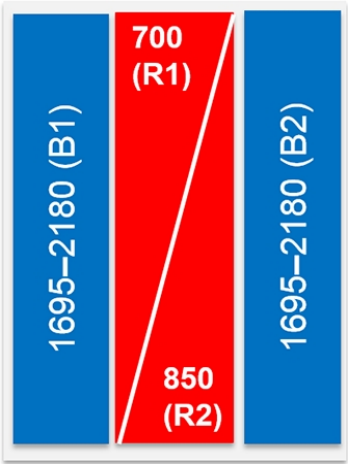


Array topology

3 sets of radiating arrays

R1/R2: 698-894 MHz
B1: 1695-2180 MHz
B2: 1695-2180 MHz

Band	RF port
1695-2180	3-4
698-894	1-2
1695-2180	5-6



SAMSUNG

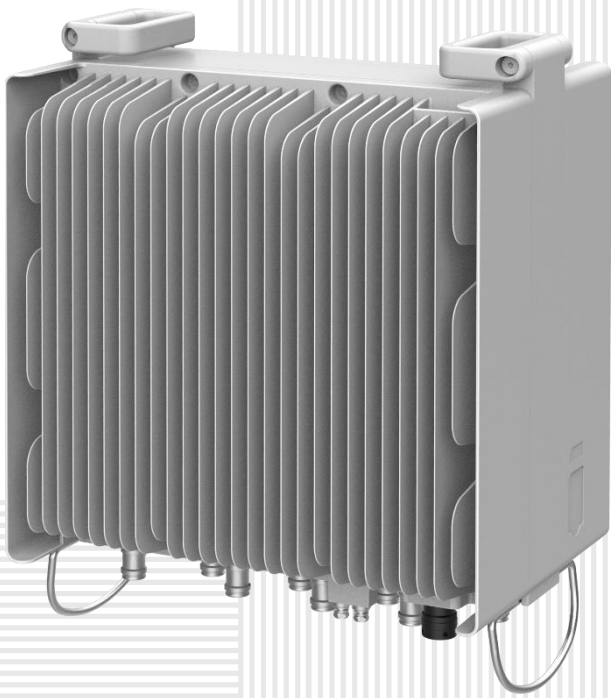
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

57196

Model Code	RF4439d-25A



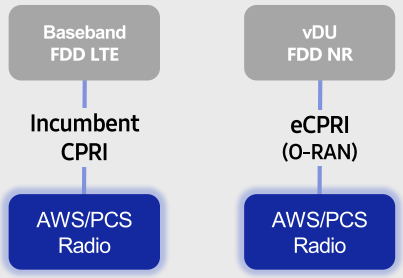
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

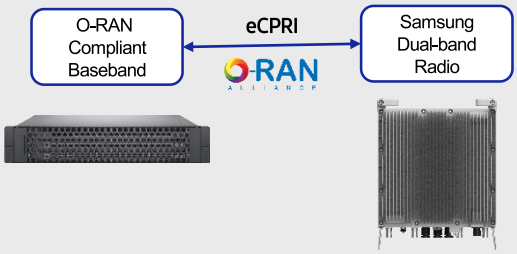
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

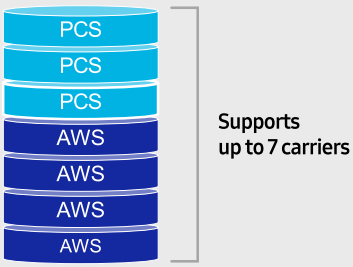
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

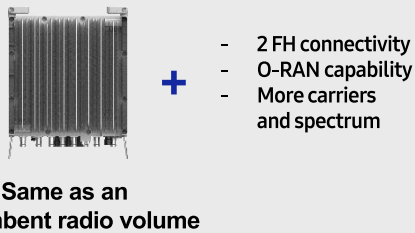
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code	RF4440d-13A

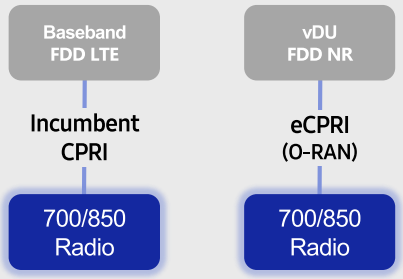
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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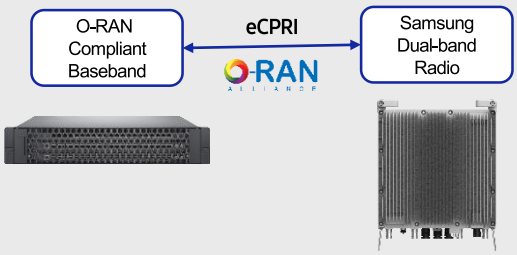
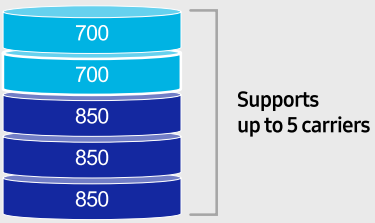
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

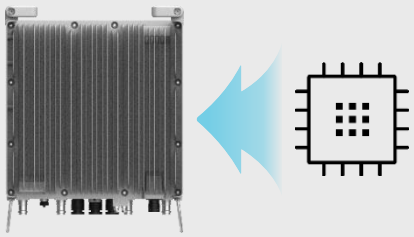
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

ATTACHMENT 3

	General	Power	Density					
Site Name: Killingly Center								
Tower Height: Verizon @ 108ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*AT&T	1	302	130	850	0.0071	0.5667	0.12%	
*AT&T	3	1476	130	700	0.1036	0.4667	2.22%	
*AT&T	1	1476	130	2300	0.0345	1	0.35%	
*AT&T	1	1476	130	2100	0.0345	1	0.35%	
*AT&T	1	1476	130	850	0.0345	0.5667	0.61%	
*AT&T	1	3664	130	1900	0.0857	1	0.86%	
*MetroPCS	3	444	98	2140	0.0565	1		
*T-Mobile	4	1167	150	1900	0.081	1	0.81%	
*T-Mobile	2	2334	150	1900	0.081	1	0.81%	
*T-Mobile	2	592	159	600	0.0182	0.4	0.45%	
*T-Mobile	1	1578	150	600	0.0274	0.4	0.68%	
*T-Mobile	2	695	150	700	0.0241	0.4667	0.52%	
*Sprint	1	377	140	850	0.0076	0.5667	0.13%	
*Sprint	2	942	140	850	0.0377	0.5667	0.67%	
*Sprint	5	512	140	1900	0.0513	1	0.51%	
*Sprint	4	1440	140	1900	0.1154	1	1.15%	
*Sprint	8	778	140	2500	0.1247	1	1.25%	
*Town	4	200	153	155.72	0.0133	0.2	0.67%	
*Town	4	200	124	155.74	0.0207	0.2	1.03%	
VZW 700	**4**	**623**	**108**	**751**	**0.0077**	**0.5007**	**1.54%**	
VZW Cellular	**4**	**623**	**108**	**874**	**0.0077**	**0.5827**	**1.32%**	
VZW PCS	**4**	**1428**	**108**	**1977.5**	**0.0176**	**1.0000**	**1.76%**	
VZW AWS	**4**	**1496**	**108**	**2120**	**0.0184**	**1.0000**	**1.84%**	
VZW CBAND	**2**	**21627**	**108**	**3730.08**	**0.1334**	**1.0000**	**13.34%**	
* Source: Siting Council								**32.99%**

ATTACHMENT 4

(REVISED)
STRUCTURAL ANALYSIS REPORT

For

KILLINGLY CENTER CT

79 Putnam Pike
Dayville, CT 06241

Antennas Mounted to the Monopole

Prepared for:

verizon

20 Alexander Drive
Wallingford, CT 06492

Dated: January 17, 2022 (Rev.1)
October 18, 2021

Prepared by:

HUDSON
Design Group LLC

45 Beechwood Drive
North Andover, MA 01845
(P) 978.557.5553 (F) 978.336.5586
www.hudsondesigngroupllc.com

SCOPE OF WORK:

Hudson Design Group LLC (HDG) has been authorized by Verizon to conduct a structural evaluation of the 150' monopole supporting the proposed Verizon's antennas located at elevation 108' above the ground level.

This report represents this office's findings, conclusions and recommendations pertaining to the support of Verizon's existing and proposed antennas listed below.

The following documents were used for our reference:

- Structural Analysis prepared by Centek Engineering dated August 8, 2014.
- Structural Analysis Report prepared by INFINIGY Engineering PLLC, dated May 4, 2018.
- Previous HDG Structural Analysis Report dated February 8, 2019.
- Tower Mapping Report prepared by Provertic LLC dated April1, 2021.
- Mount Structural Analysis prepared by Maser Consulting dated November 29, 2021.
- Mount Modification Drawings prepared by Maser Consulting dated November 29, 2021.

CONCLUSION SUMMARY:

Based on our evaluation, we have determined that the existing monopole **is in conformance** with the ANSI/TIA-222-G Standard for the loading considered under the criteria listed in this report. The monopole structure is rated at **93.1 %** - (Pole Section L6 from El.40' to El.51' Controlling).

FOUNDATION SUMMARY:

Based on our evaluation, we have determined that the existing foundation **is in conformance** with the ANSI/TIA-222-G Standard for the loading considered under the criteria listed in this report. The foundation is rated at **70.8 %** - (Moment Capacity Controlling).

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APPURTENANCES CONFIGURATION:

Tenant	Appurtenances	Elev.	Mount
	Lightning Rod	153'	Top of Monopole
	(2) 4' Omni	153'	10'-6" Pipe
	(3) RV90-17-02DP Antennas	150'	T - Frame
	(3) LNX-6515DS-VTM Antennas	150'	T - Frame
	(3) Gen. TMA	150'	T - Frame
	(3) NNVV-65B-R4 Antennas	140'	T - Frame
	(3) APXVTM14 Antennas	140'	T - Frame
	(6) RRH-800	140'	T - Frame
	(3) RRH-1900	140'	T - Frame
	(3) TD-RRH8x20-25	140'	T - Frame
	(3) 7770 Antennas	130'	Low Profile Platform
	(3) OPA-65R-LCUU-H8 Antennas	130'	Low Profile Platform
	(11) Gen. TMA	130'	Low Profile Platform
	(3) RRUS-11 RRH's	130'	Low Profile Platform
	(3) RRUS-12 RRH's	130'	Low Profile Platform
	(3) A2 Modules	130'	Low Profile Platform
	(1) Squid Surge Arrestors	130'	Low Profile Platform
	4' Omni	124'-4"	6' Side Mount Standoff
	4' Omni	123'-8"	6' Side Mount Standoff
Verizon	(3) HBXX-6517DS-VTM Antennas	108'	Low Profile Platform
Verizon	***(6) MX06FRO660-03 Antennas***	108'	Low Profile Platform
Verizon	***(3) MT6407-77A Antennas***	108'	Low Profile Platform
Verizon	***(3) RF4439d-25A RRH's***	108'	Low Profile Platform
Verizon	***(3) RF4440d-13A RRH's***	108'	Low Profile Platform
Verizon	***(1) OVP***	108'	Low Profile Platform

Proposed Verizon Appurtenances shown in Bold.

VERIZON EXISTING/PROPOSED COAX CABLES:

Tenant	Coax Cables	Elev.	Mount
Verizon	**(1) 12x24 LI Hybrid Cables**	108'	Inside Monopole

Proposed Verizon Coax Cables shown in Bold.

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ANALYSIS RESULTS SUMMARY:

Component	Max. Stress Ratio	Elev. of Component (ft)	Pass/Fail	Comments
Pole Section-L1	19.5 %	130 – 150	PASS	
Pole Section-L2	56.1 %	115 – 130	PASS	
Pole Section-L3	59.1 %	95 – 115	PASS	
Pole Section-L4	73.4 %	91 – 95	PASS	
Pole Section-L5	79.9 %	51 – 91	PASS	
Pole Section-L6	**93.1 %**	40 – 51	PASS	**Controlling**
Pole Section-L7	78.6 %	19 – 40	PASS	
Pole Section-L8	90.7 %	0 – 19	PASS	
Anchor Rods	80.4 %	-	PASS	

FOUNDATION RESULTS SUMMARY:

	Stress Ratio	Pass/Fail	Comments
Bearing Capacity	12.8 %	PASS	
Moment Capacity	**70.8 %**	PASS	**Controlling**

DESIGN CRITERIA:

1. EIA/TIA-222-G Structural Standards for Steel Antenna Towers and Antenna Supporting Structures

   County: Windham
   Ultimate Wind Speed: 130 mph (3 second gust)
   Nominal Wind Speed: 101 mph
   Minimum Basic Wind Speed: 100 mph (per TIA-222-G)
   Structural Class: II
   Exposure Category: C
   Topographic Category: 1
   Nominal Ice Thickness: 1 inch

2. Approximate height above grade to proposed antennas: 108'

***Calculations and referenced documents are attached.**

ASSUMPTIONS:

1. The appurtenances configuration is as stated in this report. All antennas, coax cables and waveguide cables are assumed to be properly installed and supported as per the manufacturer's requirements.

2. The tower and foundation are properly constructed and maintained. All structural members and their connections are assumed to be in good condition and are free from defects with no deterioration to its member capacities.

3. The support mounts and platforms are not analyzed and are considered adequate to support the loading. The analysis is limited to the primary support structure itself.

4. All prior structural modification, if any, are assumed to be as per the data supplied (if available), and installed properly.

SUPPORT RECOMMENDATIONS:

HDG recommends that the proposed antennas, RRHs and junction box to be mounted on the existing platform supported by the monopole.

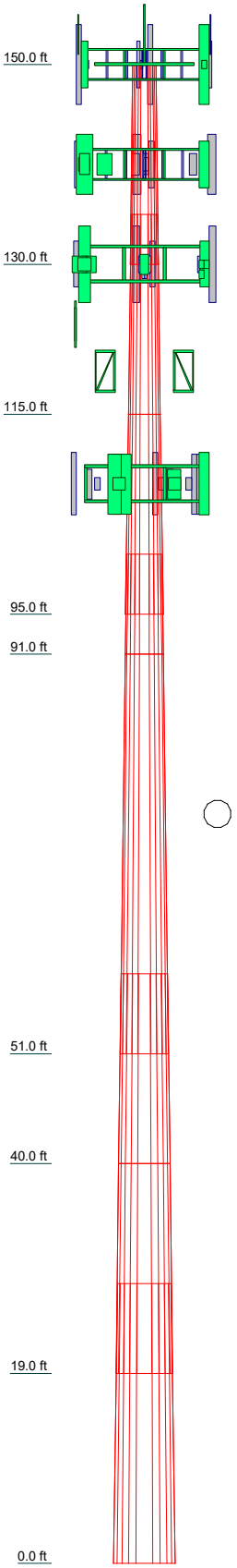
Reference HDG's Latest Construction Drawings for all component and connection requirements.

Photo 1: Photo illustrating the monopole with Appurtenances shown.

HUDSON
Design Group LLC

CALCULATIONS

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (lb)
1	20.00	12	0.2500	5.00	27.8125	34.3125		1688.1
2	20.00	12	0.2500		32.1875	38.6875		1927.7
3	20.00	12	0.3125	6.00	38.6875	45.1875		2850.5
4	10.00	12	0.3125		42.6125	45.8125		1503.2
5	40.00	12	0.3750	8.00	45.8125	58.8750	A36M-45	8541.3
6	19.00	12	0.3750		55.5125	61.6875		4545.5
7	21.00	12	0.4375	9.00	61.6875	68.5000		6508.7
8	28.00	12	0.4375		64.7054	73.8125		9237.4
								36802.4



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
6' Lightning Rod	153	RRUS-11 RRH	130
Omni 3"x4'	153	RRUS-11 RRH	130
Omni 3"x4'	153	RRUS-11 RRH	130
10'-6" Horizontal Pipe	150	RRUS-12 RRH	130
12' Sector Frame (T-Mobile)	150	RRUS-12 RRH	130
12' Sector Frame	150	RRUS-12 RRH	130
12' Sector Frame	150	Gen. TMA	130
LNX-6515DS-VTM Antenna w/ Mounting Pipe	150	Gen. TMA	130
		Gen. TMA	130
LNX-6515DS-VTM Antenna w/ Mounting Pipe	150	Gen. TMA	130
		Gen. TMA	130
LNX-6515DS-VTM Antenna w/ Mounting Pipe	150	Gen. TMA	130
		Gen. TMA	130
RV90-17-02DP Antenna w/ Mounting Pipe	150	Gen. TMA	130
		Gen. TMA	130
RV90-17-02DP Antenna w/ Mounting Pipe	150	Gen. TMA	130
		Gen. TMA	130
RV90-17-02DP Antenna w/ Mounting Pipe	150	Gen. TMA	130
		A2 Module	130
Gen. TMA	150	A2 Module	130
Gen. TMA	150	A2 Module	130
Gen. TMA	150	Squid Surge Arrestor	130
12' Sector Frame (Sprint)	140	Omni 3"x4'	124.3
12' Sector Frame	140	Omni 3"x4'	123.7
12' Sector Frame	140	Pirod 6' Side Mount Standoff	119.3
NNVV-65B-R4 Antenna w/ Mounting Pipe	140	2' Side Mount Standoff	119.3
		Pirod 6' Side Mount Standoff	119.3
NNVV-65B-R4 Antenna w/ Mounting Pipe	140	Platform w/ Handrails	108
NNVV-65B-R4 Antenna w/ Mounting Pipe	140	HBXX-6517DS-VTM Antenna w/ Mounting PIpe (Verizon)	108
APXVTM14-C Antenna w/ Mounting Pipe	140	HBXX-6517DS-VTM Antenna w/ Mounting PIpe	108
APXVTM14-C Antenna w/ Mounting Pipe	140	HBXX-6517DS-VTM Antenna w/ Mounting PIpe	108
APXVTM14-C Antenna w/ Mounting Pipe	140	MX06FRO660-03 Antenna w/ Mounting Pipe (Verizon)	108
800 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
800 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
800 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
800 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
800 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
800 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
1900 RRH	140	MX06FRO660-03 Antenna w/ Mounting Pipe	108
1900 RRH	140	MT6407-77A Antenna w/ Mounting Pipe	108
1900 RRH	140	MT6407-77A Antenna w/ Mounting Pipe	108
TD-RRH8x20-25 RRH	140	MT6407-77A Antenna w/ Mounting Pipe	108
TD-RRH8x20-25 RRH	140	RF4439d-25A RRH	108
TD-RRH8x20-25 RRH	140	RF4439d-25A RRH	108
Platform w/ Handrails (ATI)	130	RF4439d-25A RRH	108
OPA-65R-LCUU-H8 Antenna w/ Mounting Pipe	130	RF4440d-13A RRH	108
		RF4440d-13A RRH	108
OPA-65R-LCUU-H8 Antenna w/ Mounting Pipe	130	RF4440d-13A RRH	108
		Junction Box	108
OPA-65R-LCUU-H8 Antenna w/ Mounting Pipe	130		
7770 Antenna w/ Mounting Pipe	130		
7770 Antenna w/ Mounting Pipe	130		
7770 Antenna w/ Mounting Pipe	130		

MATERIAL STRENGTH

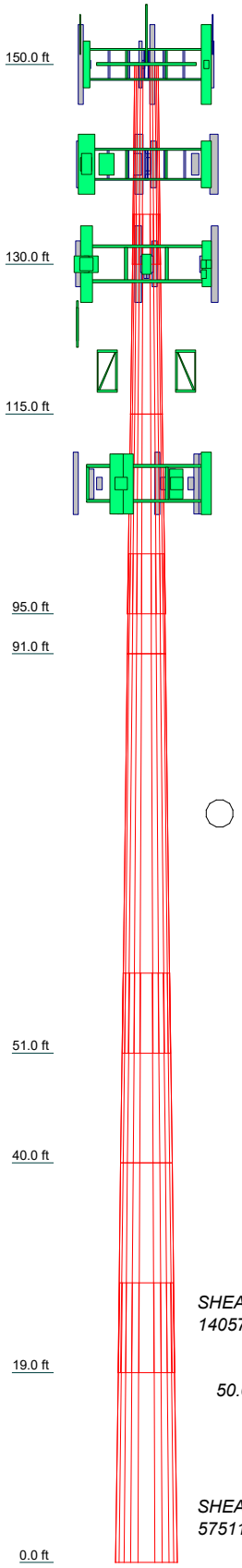
GRADE	Fy	Fu	GRADE	Fy	Fu
A36M-45	45 ksi	60 ksi			

Hudson Design Group
45 Beechwood Drive
North Andover, MA
Phone: 978.557.5553
FAX: 978.336.5586

Job: ***150' Monopole***		
Project: ***KILLINGLY CENTER CT***		
Client: VERIZON	Drawn by: ID	App'd:
Code: TIA-222-G	Date: 10/19/21	Scale: NTS
Path:		Dwg No. E-1

Section	1	2	3	4	5	6	7	8
Length (ft)	20.00	20.00	20.00	10.00	40.00	19.00	21.00	28.00
Number of Sides	12	12	12	12	12	12	12	12
Thickness (in)	0.2500	0.2500	0.3125	0.3125	0.3750	0.3750	0.4375	0.4375
Socket Length (ft)	5.00		6.00		8.00		9.00	
Top Dia (in)	27.8125	32.1875	38.6875	42.6125	45.8125	55.5125	61.6875	64.7054
Bot Dia (in)	34.3125	38.6875	45.1875	45.8125	58.8750	61.6875	68.5000	73.8125
Grade	A36M-45							
Weight (lb)	1688.1	1927.7	2850.5	1503.2	8541.3	4545.5	6508.7	9237.4

Total Weight: 36802.4



ALL REACTIONS ARE FACTORED

AXIAL 114784 lb

SHEAR 14057 lb *MOMENT 1531274 lb-ft*

TORQUE 449 lb-ft
50.0 mph WIND - 1.0000 in ICE

AXIAL 63032 lb

SHEAR 57511 lb *MOMENT 5650031 lb-ft*

TORQUE 1448 lb-ft
REACTIONS - 101.0 mph WIND

TOWER DESIGN NOTES

1. Tower is located in Windham County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 101.0 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50.0 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.0 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 93.1%

Hudson Design Group
45 Beechwood Drive
North Andover, MA
Phone: 978.557.5553
FAX: 978.336.5586

Job: **150' Monopole**			
Project: **KILLINGLY CENTER CT**			
Client: VERIZON	Drawn by: ID	App'd:	
Code: TIA-222-G	Date: 10/19/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-G standard.
The following design criteria apply:

Tower is located in Windham County, Connecticut.
Basic wind speed of 101.0 mph.
Structure Class II.
Exposure Category C.
Topographic Category 1.
Crest Height 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56.0 pcf.
A wind speed of 50.0 mph is used in combination with ice.
Temperature drop of 50.0 °F.
Deflections calculated using a wind speed of 60.0 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	150.00-130.00	20.00	5.00	12	27.8125	34.3125	0.2500	1.0000	A36M-45 (45 ksi)
L2	130.00-115.00	20.00	0.00	12	32.1875	38.6875	0.2500	1.0000	A36M-45 (45 ksi)
L3	115.00-95.00	20.00	6.00	12	38.6875	45.1875	0.3125	1.2500	A36M-45 (45 ksi)
L4	95.00-91.00	10.00	0.00	12	42.6125	45.8125	0.3125	1.2500	A36M-45 (45 ksi)
L5	91.00-51.00	40.00	8.00	12	45.8125	58.8750	0.3750	1.5000	A36M-45 (45 ksi)
L6	51.00-40.00	19.00	0.00	12	55.5125	61.6875	0.3750	1.5000	A36M-45 (45 ksi)
L7	40.00-19.00	21.00	9.00	12	61.6875	68.5000	0.4375	1.7500	A36M-45 (45 ksi)
L8	19.00-0.00	28.00		12	64.7054	73.8125	0.4375	1.7500	A36M-45 (45 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	28.7054	22.1878	2151.4817	9.8674	14.4069	149.3372	4359.4852	10.9202	6.7838	27.135

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
	35.4347	27.4203	4060.7980	12.1944	17.7739	228.4700	8228.2777	13.4954	8.5258	34.103
L2	34.9171	25.7097	3347.2225	11.4336	16.6731	200.7556	6782.3803	12.6535	7.9562	31.825
	39.9641	30.9422	5835.0856	13.7606	20.0401	291.1701	11823.4654	15.2288	9.6982	38.793
L3	39.9420	38.6148	7258.3350	13.7382	20.0401	362.1901	14707.3546	19.0051	9.5307	30.498
	46.6713	45.1555	11606.6056	16.0652	23.4071	495.8578	23518.1297	22.2241	11.2728	36.073
L4	45.9932	42.5644	9721.0448	15.1434	22.0733	440.3988	19697.4723	20.9489	10.5826	33.864
	47.3184	45.7844	12098.3469	16.2890	23.7309	509.8146	24514.5309	22.5337	11.4403	36.609
L5	47.2963	54.8658	14458.2714	16.2666	23.7309	609.2599	29296.3778	27.0033	11.2728	30.061
	60.8196	70.6388	30856.0755	20.9430	30.4973	1011.7658	62522.7744	34.7662	14.7735	39.396
L6	60.0302	66.5785	25835.3472	19.7392	28.7555	898.4497	52349.4177	32.7679	13.8724	36.993
	63.7313	74.0348	35523.8611	21.9499	31.9541	1111.7144	71980.9737	36.4377	15.5273	41.406
L7	63.7093	86.2859	41317.8922	21.9275	31.9541	1293.0378	83721.2515	42.4673	15.3598	35.108
	70.7621	95.8830	56694.8448	24.3664	35.4830	1597.8030	114879.1262	47.1907	17.1855	39.281
L8	69.8641	90.5373	47731.0881	23.0079	33.5174	1424.0700	96716.1251	44.5597	16.1685	36.957
	76.2620	103.3670	71033.6649	26.2682	38.2349	1857.8239	143933.4632	50.8741	18.6092	42.535

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.00-130.00				1	1	1			
L2 130.00-115.00				1	1	1			
L3 115.00-95.00				1	1	1			
L4 95.00-91.00				1	1	1			
L5 91.00-51.00				1	1	1			
L6 51.00-40.00				1	1	1			
L7 40.00-19.00				1	1	1			
L8 19.00-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
1 5/8 (AT&T)	C	No	Yes	Inside Pole	130.00 - 7.00	12	No Ice	0.00	1.04
							1/2" Ice	0.00	1.04
							1" Ice	0.00	1.04
DC Cable	C	No	Yes	Inside Pole	130.00 - 7.00	2	No Ice	0.00	1.70
							1/2" Ice	0.00	1.70
							1" Ice	0.00	1.70
Fiber	C	No	Yes	Inside Pole	130.00 - 7.00	2	No Ice	0.00	0.48
							1/2" Ice	0.00	0.48
							1" Ice	0.00	0.48
**									
1 1/4 (SPRINT)	C	No	Yes	Inside Pole	140.00 - 7.00	3	No Ice	0.00	0.66
							1/2" Ice	0.00	0.66
							1" Ice	0.00	0.66
1	C	No	Yes	Inside Pole	140.00 - 7.00	1	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
**									
7/8	C	No	Yes	Inside Pole	150.00 - 7.00	2	No Ice	0.00	0.54
							1/2" Ice	0.00	0.54
							1" Ice	0.00	0.54
1/2	C	No	Yes	Inside Pole	124.33 - 7.00	2	No Ice	0.00	0.25
							1/2" Ice	0.00	0.25
							1" Ice	0.00	0.25
**									
12 x 24 LI Hybrid Cable (VERIZON)	C	No	Yes	Inside Pole	108.00 - 7.00	1	No Ice	0.00	3.20
							1/2" Ice	0.00	3.20
							1" Ice	0.00	3.20

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight lb
L1	150.00-130.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	47.20
L2	130.00-115.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	311.99
L3	115.00-95.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	461.36
L4	95.00-91.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	96.75
L5	91.00-51.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	967.52
L6	51.00-40.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	266.07
L7	40.00-19.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	507.95
L8	19.00-0.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	290.26

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight lb
L1	150.00-130.00	A	2.310	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	47.20
L2	130.00-115.00	A	2.280	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight lb
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	311.99
L3	115.00-95.00	A	2.245	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	461.36
L4	95.00-91.00	A	2.218	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	96.75
L5	91.00-51.00	A	2.158	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	967.52
L6	51.00-40.00	A	2.065	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	266.07
L7	40.00-19.00	A	1.976	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	507.95
L8	19.00-0.00	A	1.763	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	290.26

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
6' Lightning Rod	C	None		0.0000	153.00	No Ice	0.75	0.75	50.00
						1/2" Ice	1.37	1.37	56.54
						1" Ice	1.92	1.92	67.03
Omni 3"x4'	C	From Leg	6.50 0.00	0.0000	153.00	No Ice 1/2" Ice	1.00 1.25	1.00 1.25	15.00 23.96
			0.00			1" Ice	1.50	1.50	35.82
Omni 3"x4'	B	From Face	6.50 0.00	0.0000	153.00	No Ice 1/2" Ice	1.00 1.25	1.00 1.25	15.00 23.96
			0.00			1" Ice	1.50	1.50	35.82
10'-6" Horizontal Pipe	C	None		0.0000	150.00	No Ice	1.26	1.26	80.00
						1/2" Ice	2.36	2.36	474.22
						1" Ice	2.98	2.98	881.01
Omni 3"x4'	C	From Leg	6.50 0.00	0.0000	124.30	No Ice 1/2" Ice	1.00 1.25	1.00 1.25	15.00 23.96
			0.00			1" Ice	1.50	1.50	35.82
Omni 3"x4'	C	From Leg	6.50 0.00	0.0000	123.70	No Ice 1/2" Ice	1.00 1.25	1.00 1.25	15.00 23.96
			0.00			1" Ice	1.50	1.50	35.82
Pirod 6' Side Mount Standoff	C	From Leg	3.00 0.00	0.0000	119.30	No Ice 1/2" Ice	4.97 6.12	4.97 6.12	70.00 130.00
			0.00			1" Ice	7.27	7.27	190.00
Pirod 6' Side Mount Standoff	B	From Leg	3.00 0.00	0.0000	119.30	No Ice 1/2" Ice	4.97 6.12	4.97 6.12	70.00 130.00
			0.00			1" Ice	7.27	7.27	190.00
2' Side Mount Standoff	A	From Leg	1.00 0.00	0.0000	119.30	No Ice 1/2" Ice	1.00 1.50	1.00 1.50	30.00 50.00
			0.00			1" Ice	2.00	2.00	70.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
****									
12' Sector Frame (T-Mobile)	A	From Face	2.00 0.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	658.00 804.00 1015.00
12' Sector Frame	B	From Face	2.00 0.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	658.00 804.00 1015.00
12' Sector Frame	C	From Face	2.00 0.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	658.00 804.00 1015.00
LNX-6515DS-VTM Antenna w/ Mounting Pipe	A	From Face	3.00 -6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	11.47 12.09 12.72	9.62 11.04 12.31	73.20 160.30 257.16
LNX-6515DS-VTM Antenna w/ Mounting Pipe	B	From Face	3.00 -6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	11.47 12.09 12.72	9.62 11.04 12.31	73.20 160.30 257.16
LNX-6515DS-VTM Antenna w/ Mounting Pipe	C	From Face	3.00 -6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	11.47 12.09 12.72	9.62 11.04 12.31	73.20 160.30 257.16
RV90-17-02DP Antenna w/ Mounting Pipe	A	From Face	3.00 6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	4.67 5.13 5.57	3.42 4.26 4.97	96.90 135.31 179.92
RV90-17-02DP Antenna w/ Mounting Pipe	B	From Face	3.00 6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	4.67 5.13 5.57	3.42 4.26 4.97	96.90 135.31 179.92
RV90-17-02DP Antenna w/ Mounting Pipe	C	From Face	3.00 6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	4.67 5.13 5.57	3.42 4.26 4.97	96.90 135.31 179.92
Gen. TMA	A	From Face	2.00 -6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	B	From Face	2.00 -6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	C	From Face	2.00 -6.00 0.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
****									
12' Sector Frame (Sprint)	A	From Face	2.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	658.00 804.00 1015.00
12' Sector Frame	B	From Face	2.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	658.00 804.00 1015.00
12' Sector Frame	C	From Face	2.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	13.20 19.50 25.80	9.20 14.60 19.50	658.00 804.00 1015.00
NNVV-65B-R4 Antenna w/ Mounting Pipe	A	From Face	3.00 6.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	12.27 12.77 13.27	7.17 8.13 8.97	131.90 219.93 316.27
NNVV-65B-R4 Antenna w/ Mounting Pipe	B	From Face	3.00 6.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	12.27 12.77 13.27	7.17 8.13 8.97	131.90 219.93 316.27
NNVV-65B-R4 Antenna w/ Mounting Pipe	C	From Face	3.00 6.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice	12.27 12.77 13.27	7.17 8.13 8.97	131.90 219.93 316.27
APXVTM14-C Antenna w/	A	From Face	3.00	0.0000	140.00	No Ice	6.65	5.03	52.90

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
Mounting Pipe			-6.00			1/2" Ice	7.14	5.89	108.31
			0.00			1" Ice	7.60	6.63	170.47
APXVTM14-C Antenna w/ Mounting Pipe	B	From Face	3.00	0.0000	140.00	No Ice	6.65	5.03	52.90
			-6.00			1/2" Ice	7.14	5.89	108.31
			0.00			1" Ice	7.60	6.63	170.47
APXVTM14-C Antenna w/ Mounting Pipe	C	From Face	3.00	0.0000	140.00	No Ice	6.65	5.03	52.90
			-6.00			1/2" Ice	7.14	5.89	108.31
			0.00			1" Ice	7.60	6.63	170.47
800 RRH	A	From Face	2.00	0.0000	140.00	No Ice	1.71	1.84	64.00
			6.00			1/2" Ice	1.88	2.01	85.14
			0.00			1" Ice	2.05	2.19	109.25
800 RRH	B	From Face	2.00	0.0000	140.00	No Ice	1.71	1.84	64.00
			6.00			1/2" Ice	1.88	2.01	85.14
			0.00			1" Ice	2.05	2.19	109.25
800 RRH	C	From Face	2.00	0.0000	140.00	No Ice	1.71	1.84	64.00
			6.00			1/2" Ice	1.88	2.01	85.14
			0.00			1" Ice	2.05	2.19	109.25
800 RRH	A	From Face	2.00	0.0000	140.00	No Ice	1.71	1.84	64.00
			6.00			1/2" Ice	1.88	2.01	85.14
			0.00			1" Ice	2.05	2.19	109.25
800 RRH	B	From Face	2.00	0.0000	140.00	No Ice	1.71	1.84	64.00
			6.00			1/2" Ice	1.88	2.01	85.14
			0.00			1" Ice	2.05	2.19	109.25
800 RRH	C	From Face	2.00	0.0000	140.00	No Ice	1.71	1.84	64.00
			6.00			1/2" Ice	1.88	2.01	85.14
			0.00			1" Ice	2.05	2.19	109.25
1900 RRH	A	From Face	2.00	0.0000	140.00	No Ice	2.31	2.38	60.00
			6.00			1/2" Ice	2.52	2.58	83.90
			0.00			1" Ice	2.73	2.79	111.08
1900 RRH	B	From Face	2.00	0.0000	140.00	No Ice	2.31	2.38	60.00
			6.00			1/2" Ice	2.52	2.58	83.90
			0.00			1" Ice	2.73	2.79	111.08
1900 RRH	C	From Face	2.00	0.0000	140.00	No Ice	2.31	2.38	60.00
			6.00			1/2" Ice	2.52	2.58	83.90
			0.00			1" Ice	2.73	2.79	111.08
TD-RRH8x20-25 RRH	A	From Face	2.00	0.0000	140.00	No Ice	4.05	1.53	70.00
			4.00			1/2" Ice	4.30	1.71	97.14
			0.00			1" Ice	4.56	1.90	127.80
TD-RRH8x20-25 RRH	B	From Face	2.00	0.0000	140.00	No Ice	4.05	1.53	70.00
			4.00			1/2" Ice	4.30	1.71	97.14
			0.00			1" Ice	4.56	1.90	127.80
TD-RRH8x20-25 RRH	C	From Face	2.00	0.0000	140.00	No Ice	4.05	1.53	70.00
			4.00			1/2" Ice	4.30	1.71	97.14
			0.00			1" Ice	4.56	1.90	127.80
****									
Platform w/ Handrails (AT&T)	C	None		0.0000	130.00	No Ice	26.30	26.30	1920.00
						1/2" Ice	35.60	35.60	2340.00
						1" Ice	44.90	44.90	2760.00
OPA-65R-LCUU-H8 Antenna w/ Mounting Pipe	A	From Face	3.00	0.0000	130.00	No Ice	12.83	9.38	93.50
			6.00			1/2" Ice	13.44	10.78	187.01
			0.00			1" Ice	14.05	12.04	290.22
OPA-65R-LCUU-H8 Antenna w/ Mounting Pipe	B	From Face	3.00	0.0000	130.00	No Ice	12.83	9.38	93.50
			6.00			1/2" Ice	13.44	10.78	187.01
			0.00			1" Ice	14.05	12.04	290.22
OPA-65R-LCUU-H8 Antenna w/ Mounting Pipe	C	From Face	3.00	0.0000	130.00	No Ice	12.83	9.38	93.50
			6.00			1/2" Ice	13.44	10.78	187.01
			0.00			1" Ice	14.05	12.04	290.22

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
7770 Antenna w/ Mounting Pipe	A	From Face	3.00 -6.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	5.84 6.32 6.77	4.35 5.20 5.92	56.90 105.42 160.42
7770 Antenna w/ Mounting Pipe	B	From Face	3.00 -6.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	5.84 6.32 6.77	4.35 5.20 5.92	56.90 105.42 160.42
7770 Antenna w/ Mounting Pipe	C	From Face	3.00 -6.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	5.84 6.32 6.77	4.35 5.20 5.92	56.90 105.42 160.42
RRUS-11 RRH	A	From Face	2.00 5.50 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.79 3.00 3.21	1.19 1.34 1.50	51.00 71.87 95.78
RRUS-11 RRH	B	From Face	2.00 5.50 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.79 3.00 3.21	1.19 1.34 1.50	51.00 71.87 95.78
RRUS-11 RRH	C	From Face	2.00 5.50 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.79 3.00 3.21	1.19 1.34 1.50	51.00 71.87 95.78
RRUS-12 RRH	A	From Face	2.00 6.50 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	3.15 3.36 3.59	1.29 1.44 1.60	58.00 81.22 107.64
RRUS-12 RRH	B	From Face	2.00 6.50 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	3.15 3.36 3.59	1.29 1.44 1.60	58.00 81.22 107.64
RRUS-12 RRH	C	From Face	2.00 6.50 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	3.15 3.36 3.59	1.29 1.44 1.60	58.00 81.22 107.64
Gen. TMA	A	From Face	2.00 -5.75 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	B	From Face	2.00 -5.75 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	C	From Face	2.00 -5.75 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	A	From Face	2.00 -6.25 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	B	From Face	2.00 -6.25 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	C	From Face	2.00 -6.25 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	A	From Face	2.00 -5.75 -1.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	B	From Face	2.00 -5.75 -1.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	C	From Face	2.00 -5.75 -1.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
Gen. TMA	A	From Face	2.00 -6.25 -1.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
Gen. TMA	B	From Face	2.00 -6.25 -1.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.50 0.59 0.69	0.33 0.41 0.50	16.00 20.70 26.89
A2 Module	A	From Face	2.00 6.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.08 2.26 2.44	0.50 0.61 0.73	22.00 34.73 49.92
A2 Module	B	From Face	2.00 6.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.08 2.26 2.44	0.50 0.61 0.73	22.00 34.73 49.92
A2 Module	C	From Face	2.00 6.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	2.08 2.26 2.44	0.50 0.61 0.73	22.00 34.73 49.92
Squid Surge Arrestor	C	From Face	0.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice	0.81 1.30 1.48	0.81 1.30 1.48	33.00 48.38 66.11
****									
Platform w/ Handrails	C	None		0.0000	108.00	No Ice 1/2" Ice 1" Ice	26.30 35.60 44.90	26.30 35.60 44.90	1920.00 2340.00 2760.00
HBXX-6517DS-VTM Antenna w/ Mounting PIpe (Verizon)	A	From Face	3.00 -6.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	8.54 9.01 9.49	6.68 7.64 8.49	62.90 129.34 203.72
HBXX-6517DS-VTM Antenna w/ Mounting PIpe	B	From Face	3.00 -6.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	8.54 9.01 9.49	6.68 7.64 8.49	62.90 129.34 203.72
HBXX-6517DS-VTM Antenna w/ Mounting PIpe	C	From Face	3.00 -6.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	8.54 9.01 9.49	6.68 7.64 8.49	62.90 129.34 203.72
****									
MX06FRO660-03 Antenna w/ Mounting Pipe (Verizon)	A	From Face	3.00 2.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	9.89 10.36 10.84	8.76 9.71 10.53	99.90 184.62 277.53
MX06FRO660-03 Antenna w/ Mounting Pipe	B	From Face	3.00 2.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	9.89 10.36 10.84	8.76 9.71 10.53	99.90 184.62 277.53
MX06FRO660-03 Antenna w/ Mounting Pipe	C	From Face	3.00 2.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	9.89 10.36 10.84	8.76 9.71 10.53	99.90 184.62 277.53
MX06FRO660-03 Antenna w/ Mounting Pipe	A	From Face	3.00 3.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	9.89 10.36 10.84	8.76 9.71 10.53	99.90 184.62 277.53
MX06FRO660-03 Antenna w/ Mounting Pipe	B	From Face	3.00 3.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	9.89 10.36 10.84	8.76 9.71 10.53	99.90 184.62 277.53
MX06FRO660-03 Antenna w/ Mounting Pipe	C	From Face	3.00 3.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	9.89 10.36 10.84	8.76 9.71 10.53	99.90 184.62 277.53
MT6407-77A Antenna w/ Mounting Pipe	A	From Face	3.00 -3.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	5.43 5.97 6.46	3.27 3.99 4.59	109.00 154.17 204.90
MT6407-77A Antenna w/ Mounting Pipe	B	From Face	3.00 -3.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	5.43 5.97 6.46	3.27 3.99 4.59	109.00 154.17 204.90
MT6407-77A Antenna w/ Mounting Pipe	C	From Face	3.00 -3.00 0.00	0.0000	108.00	No Ice 1/2" Ice 1" Ice	5.43 5.97 6.46	3.27 3.99 4.59	109.00 154.17 204.90
RF4439d-25A RRH	A	From Face	2.00	0.0000	108.00	No Ice	1.88	1.25	98.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
			-3.00			1/2" Ice	2.05	1.39	116.34
			0.00			1" Ice	2.22	1.54	137.47
RF4439d-25A RRH	B	From Face	2.00	0.0000	108.00	No Ice	1.88	1.25	98.00
			-3.00			1/2" Ice	2.05	1.39	116.34
			0.00			1" Ice	2.22	1.54	137.47
RF4439d-25A RRH	C	From Face	2.00	0.0000	108.00	No Ice	1.88	1.25	98.00
			-3.00			1/2" Ice	2.05	1.39	116.34
			0.00			1" Ice	2.22	1.54	137.47
RF4440d-13A RRH	A	From Face	2.00	0.0000	108.00	No Ice	1.88	1.01	82.00
			2.50			1/2" Ice	2.05	1.14	98.43
			0.00			1" Ice	2.22	1.28	117.53
RF4440d-13A RRH	B	From Face	2.00	0.0000	108.00	No Ice	1.88	1.01	82.00
			2.50			1/2" Ice	2.05	1.14	98.43
			0.00			1" Ice	2.22	1.28	117.53
RF4440d-13A RRH	C	From Face	2.00	0.0000	108.00	No Ice	1.88	1.01	82.00
			2.50			1/2" Ice	2.05	1.14	98.43
			0.00			1" Ice	2.22	1.28	117.53
Junction Box	A	From Face	0.50	0.0000	108.00	No Ice	3.78	2.51	32.00
			0.00			1/2" Ice	4.03	2.72	63.40
			0.00			1" Ice	4.29	2.94	98.56

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	$øP_{allow}$ lb	% Capacity	Pass Fail
L1	150 - 130	Pole	TP34.3125x27.8125x0.25	1	-7957.02	245527.00	19.5	Pass
L2	130 - 115	Pole	TP38.6875x32.1875x0.25	2	-14617.00	408528.00	56.1	Pass
L3	115 - 95	Pole	TP45.1875x38.6875x0.3125	3	-21397.50	711210.00	59.1	Pass
L4	95 - 91	Pole	TP45.8125x42.6125x0.3125	4	-24607.90	842714.00	73.4	Pass
L5	91 - 51	Pole	TP58.875x45.8125x0.375	5	-33929.30	1665170.00	79.9	Pass
L6	51 - 40	Pole	TP61.6875x55.5125x0.375	6	-42458.20	1960840.00	93.1	Pass
L7	40 - 19	Pole	TP68.5x61.6875x0.4375	7	-47387.30	2639060.00	78.6	Pass
L8	19 - 0	Pole	TP73.8125x64.7054x0.4375	8	-63020.40	3109770.00	90.7	Pass
							Summary	
						Pole (L6)	93.1	Pass
						RATING =	**93.1**	**Pass**

Stiffened or Unstiffened, Ungrouted, Circular Base Plate - Any Rod Material

Assumption: Clear space between bottom of leveling nut and top of concrete **not** exceeding (1)*(Rod Diameter)

Site Data

BU#:	*0*
Site Name:	*KILLINGLY CENTER CT*
App #:	*0*
Pole Manufacturer:	*Other*

Reactions

Mu:	5650	ft-kips
Axial, Pu:	63	kips
Shear, Vu:	58	kips
Eta Factor, η	0.5	TIA G (Fig. 4-4)

If No stiffeners, Criteria:	AISC LRFD	<-Only Applcable to Unstiffened Cases

Anchor Rod Data

Qty:	24	
Diam:	2	in
Rod Material:	Other	
Strength (Fu):	105	ksi
Yield (Fy):	125	ksi
Bolt Circle:	70	in

Plate Data

Diam:	73.8124	in
Thick:	2	in
Grade:	42	ksi
Single-Rod B-eff:	-5.63	in

Stiffener Data (Welding at both sides)

Config:	1	*
Weld Type:	Both	
Groove Depth:	0.25	in **
Groove Angle:	45	degrees
Fillet H. Weld:	0.3125	in
Fillet V. Weld:	0.3125	in
Width:	5	in
Height:	18	in
Thick:	0.5	in
Notch:	0	in
Grade:	50	ksi
Weld str.:	70	ksi

Pole Data

Diam:	73.8125	in
Thick:	0.4375	in
Grade:	45	ksi
# of Sides:	12	"0" IF Round
Fu	60	ksi
Reinf. Fillet Weld	0	"0" if None

Stiffened
AISC LRFD
φ*Tn

Anchor Rod Results

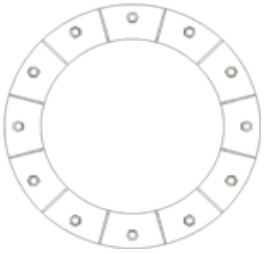
Max Rod (Cu+ Vu/ń):	168.8 Kips	
Allowable Axial, Φ*Fu*Anet:	210.0 Kips	
Anchor Rod Stress Ratio:	80.4%	**Pass**

Stiffener Results

Horizontal Weld :	79.5%	**Pass**
Vertical Weld:	0.0%	**Pass**
Plate Flex+Shear, fb/Fb+(fv/Fv)^2:	0.0%	**Pass**
Plate Tension+Shear, ft/Ft+(fv/Fv)^2:	79.5%	**Pass**
Plate Comp. (AISC Bracket):	0.0%	**Pass**

Pole Results

Pole Punching Shear Check:	0.0%	**Pass**



* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

** Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

tnxFoundation	Job:	150' Monopole	Date:
	Client:	VERIZON;	10/19/2021 12:01:15 PM

Foundation

Foundation name: **Tower Foundation**

Foundation type: **Caisson**

Geometry and Materials

Caisson:

Diameter	D	7.00 ft
Caisson length	L	24.00 ft
Base area		38.48 ft2

Levels:

Pier above ground	h	0.25 ft
Foundation level	hf	23.75 ft
Frost depth	fd	3.50 ft
Ground water level	hw	15.00 ft

Concrete:

Strength	f'c	3.0 ksi
Unit weight		0.15 kcf

Parameters:

Caisson unit skin friction and unit end bearing stress are defined	No
End bearing capacity factors Nc and Nq are defined	No

Soils:

#	Name	Φ	Cu	Kp	γ.dry	γ.sat	fs	qb	Top level
1	Sand Custom 1	30.00	0.00 ksf	3	100.0 pcf	120.0 pcf	0.0 ksf	0.0 ksf	0.00 ft
2	Sand Custom 2	30.00	0.00 ksf	3	105.0 pcf	120.0 pcf	0.0 ksf	0.0 ksf	7.25 ft
3	Sand Custom 3	33.00	0.00 ksf	3	105.0 pcf	120.0 pcf	0.0 ksf	0.0 ksf	14.75 ft

Φ - internal friction angle

Cu - soil cohesion

Kp - coefficient of passive pressure

γ.dry - dry soil density

γ.sat - saturated soil density

fs - external skin friction (unit value)

qb - end bearing stress (unit value)

Soils:

#	Name	∈	Kt	Ξ	Nc	Nq
1	Sand Custom 1	30.00	0.50	0.50	9.00	1.00
2	Sand Custom 2	30.00	0.50	0.50	9.00	1.00
3	Sand Custom 3	30.00	0.50	0.50	9.00	1.00

δ - friction angle between soil and the pile

Kt - coefficient for lateral earth pressure

α - adhesion factor

Nc - pile Bearing capacity factor Nc

Nq - pile Bearing capacity factor Nq

Loads:

#	Name	Description	P	Vx	Vz	Mz	Mx
1	Dead Only	TIA-222-G load combination	52.5 kip	0.0 kip	0.0 kip	-0.4 kip-ft	-0.3 kip-ft
2	1.2 Dead+1.6 Wind 0 deg - No Ice	TIA-222-G load combination	63.0 kip	0.0 kip	57.5 kip	-3.9 kip-ft	5644.9 kip-ft
3	0.9 Dead+1.6 Wind 0 deg - No Ice	TIA-222-G load combination	47.3 kip	0.0 kip	57.5 kip	-3.7 kip-ft	5620.5 kip-ft
4	1.2 Dead+1.6 Wind 90 deg - No Ice	TIA-222-G load combination	63.0 kip	-57.5 kip	0.0 kip	5650.0 kip-ft	-3.8 kip-ft
5	0.9 Dead+1.6 Wind 90 deg - No Ice	TIA-222-G load combination	47.3 kip	-57.5 kip	0.0 kip	5625.7 kip-ft	-3.7 kip-ft
6	1.2 Dead+1.6 Wind 180 deg - No Ice	TIA-222-G load combination	63.0 kip	0.0 kip	-57.5 kip	2.9 kip-ft	-5645.7 kip-ft
7	0.9 Dead+1.6 Wind 180 deg - No Ice	TIA-222-G load combination	47.3 kip	0.0 kip	-57.5 kip	3.0 kip-ft	-5621.1 kip-ft
8	1.2 Dead+1.0 Ice+1.0 Temp	TIA-222-G load combination	114.8 kip	0.0 kip	0.0 kip	-2.0 kip-ft	-1.8 kip-ft
9	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	TIA-222-G load combination	114.8 kip	0.0 kip	14.0 kip	-2.7 kip-ft	1527.5 kip-ft
10	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	TIA-222-G load combination	114.8 kip	-14.1 kip	0.0 kip	1528.2 kip-ft	-2.5 kip-ft
11	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	TIA-222-G load combination	114.8 kip	0.0 kip	-14.0 kip	-1.5 kip-ft	-1531.3 kip-ft
12	Dead+Wind 0 deg - Service	TIA-222-G load combination	52.5 kip	0.0 kip	11.3 kip	-1.0 kip-ft	1110.9 kip-ft
13	Dead+Wind 90 deg - Service	TIA-222-G load combination	52.5 kip	-11.3 kip	0.0 kip	1111.9 kip-ft	-1.0 kip-ft
14	Dead+Wind 180 deg - Service	TIA-222-G load combination	52.5 kip	0.0 kip	-11.3 kip	0.3 kip-ft	-1111.6 kip-ft

Uplift capacity

Resistance factors

Resistance factor for shaft resistance of caisson - Uplift	0.35
Load factor for foundation weight	0.750
Load factor for soil weigth	0.750

Details for maximum uplift force:

Number of critical combination	1
Maximum uplift force from critical combination	0.00 kip
Shaft resistance of caisson due to skin friction	167.95 kip
Weight of caisson	139.18 kip

Weight of soil (for belled caissons)	0.00 kip
Allowable uplift resistance	163.16 kip
Ratio = Maximum uplift force / Uplift resistance	0

Bearing capacity

Resistance factors

Resistance factor for shaft resistance of caisson - Bearing	0.45
Resistance factor for base resistance of caisson - Bearing	0.4

Details for maximum compression force:

Number of critical combination	8
Maximum compression force from critical combination	114.78 kip
Shaft resistance of caisson due to skin friction	167.95 kip
Base resistance	2050.94 kip
Allowable bearing resistance	895.95 kip
Ratio = Maximum compression / Compression resistance	0.128

Maximum moment along Caisson (P-Y)

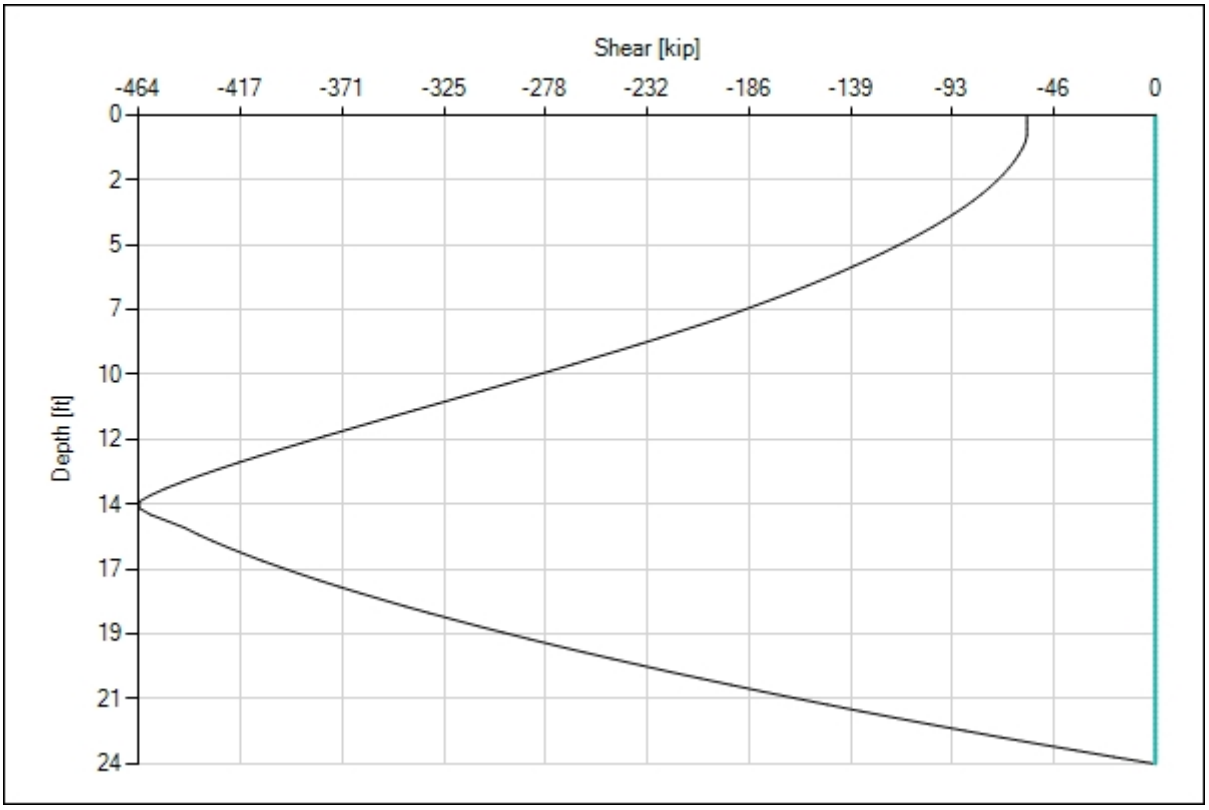
Results for the critical load:

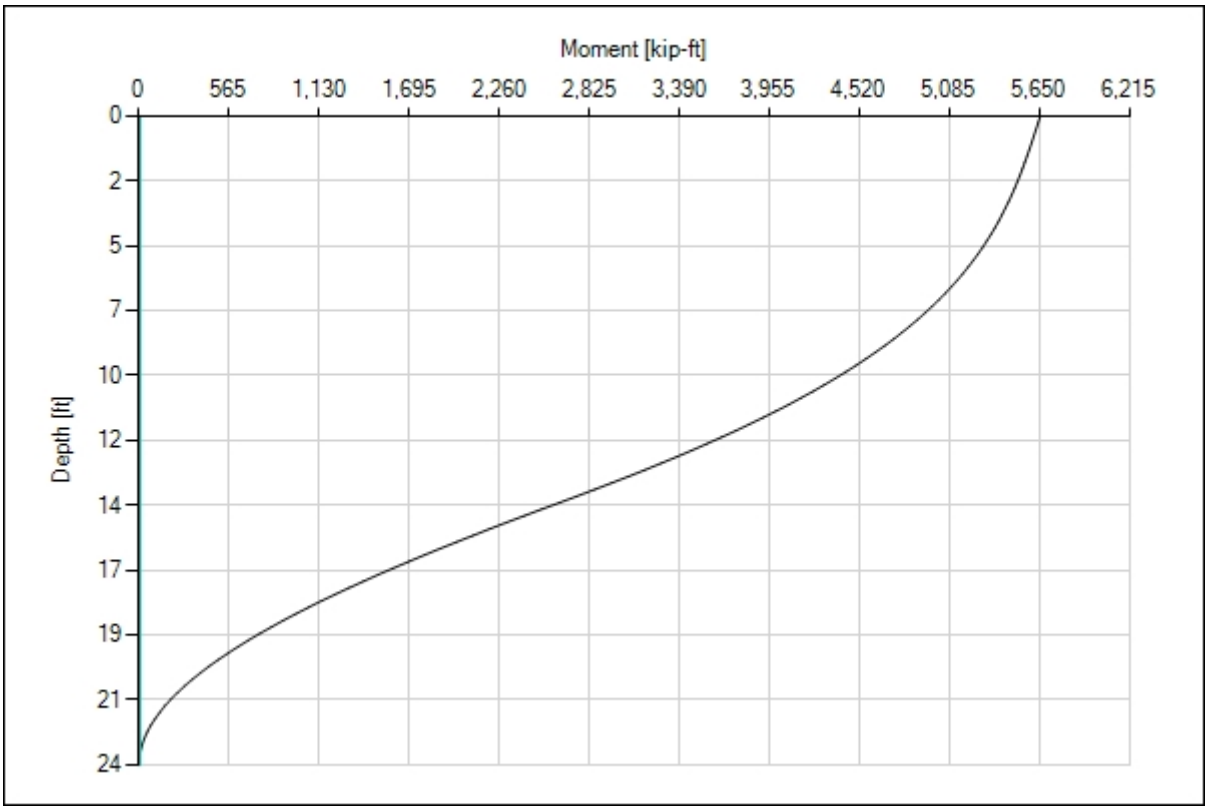
Number of critical combination		4
Max moment in caisson	Mmax	5650.03 kip-ft

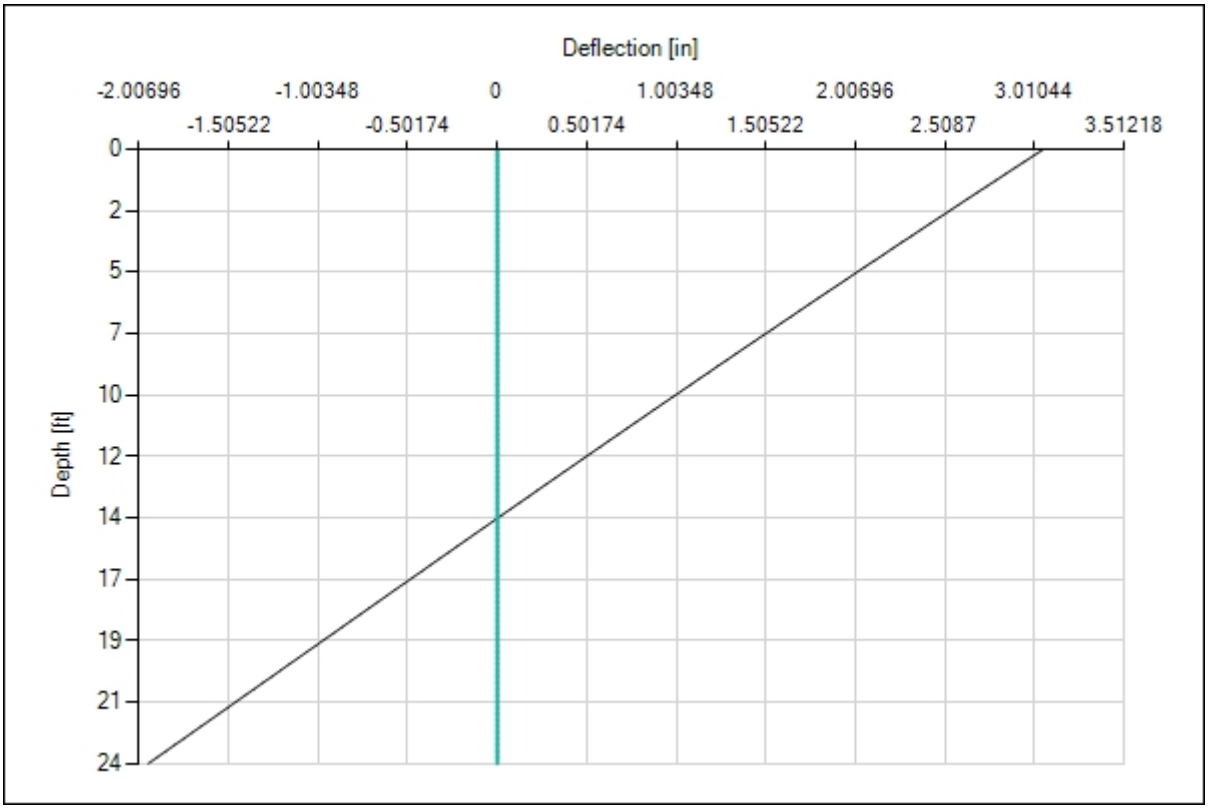
Shear and Moments along Caisson:

Level	Shear	Moment	Deflection
0.0 ft	-58.68 kip	5650.03 kip-ft	3.062 in
2.6 ft	-75.76 kip	5488.66 kip-ft	2.478 in
5.3 ft	-130.90 kip	5229.60 kip-ft	1.903 in
7.9 ft	-217.26 kip	4783.09 kip-ft	1.337 in
10.6 ft	-327.48 kip	4073.01 kip-ft	0.777 in
13.4 ft	-444.34 kip	2961.70 kip-ft	0.175 in
16.1 ft	-415.79 kip	1788.37 kip-ft	-0.373 in
18.7 ft	-309.26 kip	828.23 kip-ft	-0.918 in
21.4 ft	-164.76 kip	200.44 kip-ft	-1.462 in
23.8 ft	-1.08 kip	0.00 kip-ft	-1.955 in

tnxFoundation	Job:	150' Monopole	Date:
	Client:	VERIZON;	10/19/2021 12:01:15 PM







Caisson Flexure

Data:

Resistance factor for tension		0.9
Concrete cover		3.50 in
Steel strength of vertical bars	fy	60.00 ksi
Number of vertical bars		66
Diameter of vertical bars		1.00 in
Area of one bar		0.79 in2

Reinforcement ratio:

Reinforcement area		51.84 in2
Reinforcement ratio		0.009
Min reinforcement ratio		0.002
Verification: Reinforcement ratio > Min reinforcement ratio		OK

Results for the critical load:

Max moment in caisson	Mu	5650.03 kip-ft
Vertical load	Pu	63.03 kip
Caisson moment capacity	Mn	7984.43 kip-ft
Ratio = Mu / Mn		0.708

HUDSON
Design Group LLC

REFERENCE DOCUMENTS

CENTEK engineering

Centered on Solutions℠

Structural Analysis Report

150-ft Existing Nudd Monopole

Proposed Verizon Wireless
Antenna Upgrade

Verizon Site Ref: Killingly Center

79 Putnam Turnpike
Dayville (Killingly), CT

Centek Project No. 14152.000

Date: August 8, 2014

Prepared for:

Verizon Wireless
99 East River Road, 9th Floor
East Hartford, CT 06108

63-2 North Branford Road, Branford, CT 06405 203.488.0580 Fax 203.488.8587 www.CentekEng.com

LPILE Plus for Windows, Version 5.0 (5.0.47)

Analysis of Individual Piles and Drilled Shafts
Subjected to Lateral Loading Using the p-y Method

This program is licensed to:

TJL
Centek Engineering

Files Used for Analysis

Path to file locations: J:\Jobs\141520O.WI\04_Structural\Backup Documentation\Calcs\LPile\
Name of input data file: Killingly Center Drilled Foundation.lpd
Name of output file: Killingly Center Drilled Foundation.lpo
Name of plot output file: Killingly Center Drilled Foundation.lpp
Name of runtime file: Killingly Center Drilled Foundation.lpr

Time and Date of Analysis

Date: August 8, 2014 Time: 10:02:49

Problem Title

14152.OOO - Killingly Center

Program Options

Units Used in Computations - US Customary Units: Inches, Pounds

Basic Program Options:

Analysis Type 3:
- Computation of Nonlinear Bending Stiffness and Ultimate Bending Moment Capacity with Pile Response Computed Using Nonlinear EI

Computation Options:
- Only internally-generated p-y curves used in analysis
- Analysis does not use p-y multipliers (individual pile or shaft action only)
- Analysis assumes no shear resistance at pile tip
- Analysis for fixed-length pile or shaft only
- No computation of foundation stiffness matrix elements
- Output summary table of values for pile-head deflection, maximum bending moment, and shear force only
- Analysis assumes no soil movements acting on pile
- No additional p-y curves to be computed at user-specified depths

Solution Control Parameters:
- Number of pile increments = 100
- Maximum number of iterations allowed = 100
- Deflection tolerance for convergence = 1.0000E-05 in
- Maximum allowable deflection = 1.0000E+02 in

Printing Options:
- Only summary tables of pile-head deflection, maximum bending moment, and maximum shear force are to be printed in output file.

Pile Structural Properties and Geometry

Pile Length = 333.00 in

Depth of ground surface below top of pile = 3.00 in

Slope angle of ground surface = 0.00 deg.

Structural properties of pile defined using 2 points

Point No.	Point Depth in	Pile Diameter in	Moment of Inertia in**4	Pile Area Sq.in	Modulus of Elasticity lbs/Sq.in
1	0.0000	90.00000000	3220623.	6361.7000	3604996.
2	333.0000	90.00000000	3220623.	6361.7000	3604996.

Please note that because this analysis makes computations of ultimate moment capacity and pile response using nonlinear bending stiffness that the above values of moment of inertia and modulus of are not used for any computations other than total stress due to combined axial loading and bending.

Soil and Rock Layering Information

The soil profile is modelled using 3 layers

Layer 1 is sand, p-y criteria by Reese et al., 1974
Distance from top of pile to top of layer = 3.000 in
Distance from top of pile to bottom of layer = 90.000 in
p-y subgrade modulus k for top of soil layer = 25.000 lbs/in**3
p-y subgrade modulus k for bottom of layer = 25.000 lbs/in**3

Layer 2 is sand, p-y criteria by Reese et al., 1974
Distance from top of pile to top of layer = 90.000 in
Distance from top of pile to bottom of layer = 180.000 in
p-y subgrade modulus k for top of soil layer = 90.000 lbs/in**3
p-y subgrade modulus k for bottom of layer = 90.000 lbs/in**3

Layer 3 is sand, p-y criteria by Reese et al., 1974
Distance from top of pile to top of layer = 180.000 in
Distance from top of pile to bottom of layer = 333.000 in
p-y subgrade modulus k for top of soil layer = 60.000 lbs/in**3
p-y subgrade modulus k for bottom of layer = 60.000 lbs/in**3

(Depth of lowest layer extends 0.00 in below pile tip)

Effective Unit Weight of Soil vs. Depth

Effective unit weight of soil with depth defined using 6 points

Point No.	Depth X in	Eff. Unit Weight lbs/in**3
1	3.00	0.05800
2	90.00	0.05800
3	90.00	0.06100
4	180.00	0.06100
5	180.00	0.02500
6	333.00	0.02500

Shear Strength of Soils

Shear strength parameters with depth defined using 6 points

Point No.	Depth X in	Cohesion c lbs/in**2	Angle of Friction Deg.	E50 or k_rm	RQD %
1	3.000	0.00000	30.00	------	------
2	90.000	0.00000	30.00	------	------
3	90.000	0.00000	30.00	------	------
4	180.000	0.00000	30.00	------	------
5	180.000	0.00000	33.00	------	------
6	333.000	0.00000	33.00	------	------

Notes:

(1) Cohesion = uniaxial compressive strength for rock materials.
(2) Values of E50 are reported for clay strata.
(3) Default values will be generated for E50 when input values are 0.
(4) RQD and k_rm are reported only for weak rock strata.

Loading Type

Static loading criteria was used for computation of p-y curves.

Pile-head Loading and Pile-head Fixity Conditions

Number of loads specified = 1

Load Case Number 1

Pile-head boundary conditions are Shear and Moment (BC Type 1)
Shear force at pile head = 46000.000 lbs
Bending moment at pile head = 53388000.000 in-lbs
Axial load at pile head = 50000.000 lbs

Non-zero moment at pile head for this load case indicates the pile-head may rotate under the applied pile-head loading, but is not a free-head (zero moment) condition.

Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

Number of sections = 1

Pile Section No. 1

The sectional shape is a circular drilled shaft (bored pile).

Outside Diameter = 90.0000 in

Material Properties:

Compressive Strength of Concrete = 4.000 kip/in**2
Yield Stress of Reinforcement = 60. kip/in**2
Modulus of Elasticity of Reinforcement = 29000. kip/in**2
Number of Reinforcing Bars = 66
Area of Single Bar = 0.79000 in**2
Number of Rows of Reinforcing Bars = 33
Area of Steel = 52.140 in**2
Area of Shaft = 6361.725 in**2
Percentage of Steel Reinforcement = 0.820 percent
Cover Thickness (edge to bar center) = 3.000 in

Unfactored Axial Squash Load Capacity = 24580.99 kip

Distribution and Area of Steel Reinforcement

Row Number	Area of Reinforcement in**2	Distance to Centroidal Axis in
1	1.580	41.952
2	1.580	41.573
3	1.580	40.816
4	1.580	39.690
5	1.580	38.205
6	1.580	36.373
7	1.580	34.212
8	1.580	31.741
9	1.580	28.983
10	1.580	25.963
11	1.580	22.707
12	1.580	19.246
13	1.580	15.610
14	1.580	11.833
15	1.580	7.949
16	1.580	3.992
17	1.580	0.000
18	1.580	-3.992
19	1.580	-7.949
20	1.580	-11.833
21	1.580	-15.610
22	1.580	-19.246
23	1.580	-22.707
24	1.580	-25.963
25	1.580	-28.983
26	1.580	-31.741
27	1.580	-34.212
28	1.580	-36.373

29	1.580	-38.205
30	1.580	-39.690
31	1.580	-40.816
32	1.580	-41.573
33	1.580	-41.952

Axial Thrust Force = 50000.00 lbs

Bending Moment in-lbs	Bending Stiffness lb-in2	Bending Curvature rad/in	Maximum Strain in/in	Neutral Axis Position inches	Max. Concrete Stress psi	Max. Steel Stress psi
8134337.	1.301494E+13	6.250000E-07	0.00003027	48.42922434	107.50597	822.54245
16194222.	1.295538E+13	0.00000125	0.00005850	46.79859951	206.10465	1585.97476
24180272.	1.289615E+13	0.00000188	0.00008677	46.27568677	303.33870	2350.52875
32090169.	1.283607E+13	0.00000250	0.00011500	45.99866554	398.93676	3113.95430
32090169.	1.026885E+13	0.00000313	0.00007565	24.20889035	261.37101	5686.13312
32090169.	8.557378E+12	0.00000375	0.00008941	23.84272859	307.63060	6863.17984
32090169.	7.334896E+12	0.00000438	0.00010296	23.53470907	352.84676	8046.12312
32090169.	6.418034E+12	0.00000500	0.00011653	23.30686614	397.78411	9228.60651
32090169.	5.704919E+12	0.00000563	0.00013012	23.13249305	442.44179	10410.62693
32090169.	5.134427E+12	0.00000625	0.00014372	22.99556360	486.81889	11592.18172
32090169.	4.667661E+12	0.00000688	0.00015734	22.88588002	530.91449	12773.26805
32090169.	4.278689E+12	0.00000750	0.00017097	22.79664829	574.72780	13953.88214
32090169.	3.949559E+12	0.00000813	0.00018463	22.72315577	618.25775	15134.02233
32090169.	3.667448E+12	0.00000875	0.00019829	22.66204700	661.50358	16313.68424
32090169.	3.422951E+12	0.00000938	0.00021198	22.61085704	704.46438	17492.86467
32090169.	3.209017E+12	0.00001000	0.00022568	22.56773248	747.13907	18671.56177
32090169.	3.020251E+12	0.00001063	0.00023939	22.53126249	789.52678	19849.77170
32090169.	2.852459E+12	0.00001125	0.00025313	22.50035003	831.62664	21027.49052
32675293.	2.751604E+12	0.00001188	0.00026719	22.49999866	874.40074	22195.80544
34351972.	2.748158E+12	0.00001250	0.00028125	22.49999866	916.82793	23364.00573
36004208.	2.743178E+12	0.00001313	0.00029515	22.48759344	958.39400	24536.92775
37642656.	2.737648E+12	0.00001375	0.00030897	22.47062579	999.37016	25712.11873
39279364.	2.732477E+12	0.00001438	0.00032281	22.45645568	1040.05715	26886.75856
40914316.	2.727621E+12	0.00001500	0.00033667	22.44473979	1080.45376	28060.84448
42547510.	2.723041E+12	0.00001563	0.00035055	22.43519649	1120.55911	29234.37064
44178925.	2.718703E+12	0.00001625	0.00036445	22.42757902	1160.37188	30407.33520
45808553.	2.714581E+12	0.00001688	0.00037837	22.42168352	1199.89104	31579.73320
47436388.	2.710651E+12	0.00001750	0.00039230	22.41733566	1239.11558	32751.55949
49062410.	2.706892E+12	0.00001813	0.00040626	22.41437986	1278.04419	33922.81168
50686620.	2.703286E+12	0.00001875	0.00042024	22.41269007	1316.67600	35093.48263
52308998.	2.699819E+12	0.00001938	0.00043424	22.41214827	1355.00969	36263.56981
53929536.	2.696477E+12	0.00002000	0.00044825	22.41265520	1393.04414	37433.06836
55548220.	2.693247E+12	0.00002063	0.00046229	22.41412237	1430.77812	38601.97420
57165042.	2.690120E+12	0.00002125	0.00047635	22.41647467	1468.21059	39770.28139
58779989.	2.687085E+12	0.00002188	0.00049043	22.41964236	1505.34027	40937.98605
60393046.	2.684135E+12	0.00002250	0.00050453	22.42356375	1542.16588	42105.08408
62004208.	2.681263E+12	0.00002313	0.00051865	22.42818788	1578.68640	43271.56870
63613456.	2.678461E+12	0.00002375	0.00053279	22.43346378	1614.90041	44437.43677
65220779.	2.675724E+12	0.00002438	0.00054696	22.43934855	1650.80668	45602.68321
68429600.	2.670423E+12	0.00002563	0.00057535	22.45279446	1721.69098	47931.29036
71630579.	2.665324E+12	0.00002688	0.00060383	22.46826276	1791.32922	50257.34647
74823594.	2.660394E+12	0.00002813	0.00063241	22.48553082	1859.71049	52580.81321
77994152.	2.655120E+12	0.00002938	0.00066094	22.49999866	1926.51307	54905.41345
81101994.	2.648228E+12	0.00003063	0.00068906	22.49999866	1990.88227	57241.81403
84192607.	2.641337E+12	0.00003188	0.00071719	22.49999866	2053.81391	59578.21460
86984218.	2.625939E+12	0.00003313	0.00074531	22.49999866	2115.30800	60000.00000
89269238.	2.596923E+12	0.00003438	0.00077206	22.46005252	2172.36574	60000.00000
91149678.	2.558587E+12	0.00003563	0.00079694	22.37011805	2224.10874	60000.00000
92815535.	2.517031E+12	0.00003688	0.00082111	22.26726338	2273.27007	60000.00000
94323024.	2.474047E+12	0.00003813	0.00084475	22.15741619	2320.30866	60000.00000
95664679.	2.429579E+12	0.00003938	0.00086782	22.03982010	2365.18156	60000.00000
96884588.	2.384851E+12	0.00004063	0.00089045	21.91868886	2408.24277	60000.00000
98040024.	2.341254E+12	0.00004188	0.00091287	21.79983750	2449.99034	60000.00000
99053881.	2.296902E+12	0.00004313	0.00093473	21.67486534	2489.78479	60000.00000
1.000396E+08	2.254413E+12	0.00004438	0.00095652	21.55534878	2528.59837	60000.00000
1.009244E+08	2.212041E+12	0.00004563	0.00097789	21.43319830	2565.81175	60000.00000
1.017574E+08	2.170825E+12	0.00004688	0.00099907	21.31345376	2601.87378	60000.00000
1.025824E+08	2.131582E+12	0.00004813	0.00102026	21.20012239	2637.15498	60000.00000
1.032801E+08	2.091749E+12	0.00004938	0.00104085	21.08046904	2670.63602	60000.00000
1.041700E+08	2.057678E+12	0.00005063	0.00106313	21.00000009	2706.13599	60000.00000
1.047281E+08	2.018855E+12	0.00005188	0.00108566	20.92836097	2741.16161	60000.00000
1.053164E+08	1.982426E+12	0.00005313	0.00110528	20.80536023	2770.73933	60000.00000
1.058810E+08	1.947236E+12	0.00005438	0.00112481	20.68616554	2799.48413	60000.00000
1.064438E+08	1.913597E+12	0.00005563	0.00114437	20.57291731	2827.60587	60000.00000
1.070048E+08	1.881404E+12	0.00005688	0.00116396	20.46522930	2855.10149	60000.00000
1.074660E+08	1.848877E+12	0.00005813	0.00118292	20.35135075	2881.02700	60000.00000
1.079244E+08	1.817674E+12	0.00005938	0.00120191	20.24265960	2906.35293	60000.00000
1.083812E+08	1.787731E+12	0.00006063	0.00122092	20.13895735	2931.08685	60000.00000
1.088364E+08	1.758972E+12	0.00006188	0.00123997	20.03994897	2955.22611	60000.00000
1.092646E+08	1.730924E+12	0.00006313	0.00125886	19.94232729	2978.52269	60000.00000
1.096334E+08	1.703043E+12	0.00006438	0.00127734	19.84218702	3000.68657	60000.00000
1.100008E+08	1.676202E+12	0.00006563	0.00129585	19.74630877	3022.28741	60000.00000
1.103666E+08	1.650342E+12	0.00006688	0.00131439	19.65445384	3043.32223	60000.00000
1.107311E+08	1.625410E+12	0.00006813	0.00133296	19.56640497	3063.78835	60000.00000
1.107311E+08	1.596123E+12	0.00006938	0.00135281	19.49999884	3085.06960	60000.00000

1.115165E+08	1.578994E+12	0.00007063	0.00137599	19.48309556	3109.20760	60000.00000
1.117969E+08	1.555436E+12	0.00007188	0.00139338	19.38608810	3126.43330	60000.00000
1.120762E+08	1.532666E+12	0.00007313	0.00141078	19.29276332	3143.15988	60000.00000
1.123543E+08	1.510646E+12	0.00007438	0.00142822	19.20293882	3159.38498	60000.00000
1.129069E+08	1.468707E+12	0.00007688	0.00146317	19.03311476	3190.32087	60000.00000
1.134478E+08	1.429264E+12	0.00007938	0.00149816	18.87443259	3219.15849	60000.00000
1.138784E+08	1.390881E+12	0.00008188	0.00153209	18.71251032	3245.04287	60000.00000
1.143047E+08	1.354722E+12	0.00008438	0.00156612	18.56141612	3269.00329	60000.00000
1.147265E+08	1.320593E+12	0.00008688	0.00160026	18.42022732	3291.02091	60000.00000
1.151439E+08	1.288323E+12	0.00008938	0.00163450	18.28812853	3311.07679	60000.00000
1.155188E+08	1.257347E+12	0.00009188	0.00166836	18.15900698	3328.89156	60000.00000
1.158404E+08	1.227448E+12	0.00009438	0.00170168	18.03105757	3344.46864	60000.00000
1.169061E+08	1.206773E+12	0.00009688	0.00174375	18.00000027	3361.57814	60000.00000
1.169061E+08	1.176414E+12	0.00009938	0.00177749	17.88671449	3372.91010	60000.00000
1.169061E+08	1.147545E+12	0.00010188	0.00180964	17.76332483	3381.84545	60000.00000
1.171459E+08	1.122356E+12	0.00010438	0.00184189	17.64681771	3389.01958	60000.00000
1.174114E+08	1.098587E+12	0.00010688	0.00187390	17.53355339	3394.36467	60000.00000
1.176243E+08	1.075422E+12	0.00010938	0.00190512	17.41827741	3397.87246	60000.00000
1.178338E+08	1.053263E+12	0.00011188	0.00193645	17.30901495	3399.70809	60000.00000
1.180367E+08	1.032015E+12	0.00011438	0.00196787	17.20538512	3396.77233	60000.00000
1.182326E+08	1.011616E+12	0.00011688	0.00199938	17.10703656	3388.93948	60000.00000
1.184270E+08	9.920584E+11	0.00011938	0.00203100	17.01364741	3388.77124	60000.00000
1.186197E+08	9.732896E+11	0.00012188	0.00206272	16.92492262	3393.56279	60000.00000
1.188107E+08	9.552621E+11	0.00012438	0.00209455	16.84059665	3397.04103	60000.00000
1.189881E+08	9.378372E+11	0.00012688	0.00212621	16.75827429	3399.17486	60000.00000
1.191276E+08	9.207933E+11	0.00012938	0.00215714	16.67355135	3399.98589	60000.00000
1.192634E+08	9.043672E+11	0.00013188	0.00218828	16.59359470	3394.26825	60000.00000
1.193978E+08	8.885419E+11	0.00013438	0.00221952	16.51733950	3387.50072	60000.00000
1.193978E+08	8.723128E+11	0.00013688	0.00225844	16.49999902	3384.87575	60000.00000
1.197216E+08	8.589889E+11	0.00013938	0.00229969	16.49999902	3391.61895	60000.00000
1.198997E+08	8.451078E+11	0.00014188	0.00233063	16.42735139	3395.06083	60000.00000
1.200191E+08	8.313011E+11	0.00014438	0.00236062	16.35059461	3397.50465	60000.00000
1.201377E+08	8.179591E+11	0.00014688	0.00239068	16.27697602	3399.12672	60000.00000
1.202555E+08	8.050580E+11	0.00014938	0.00242082	16.20634004	3399.91774	60000.00000
1.203712E+08	7.925673E+11	0.00015188	0.00245114	16.13918021	3396.89861	60000.00000
1.204851E+08	7.804706E+11	0.00015438	0.00248159	16.07507542	3391.32948	60000.00000
1.205750E+08	7.686056E+11	0.00015688	0.00251125	16.00796387	3385.96968	60000.00000
1.206537E+08	7.570429E+11	0.00015938	0.00254057	15.94085231	3380.69854	60000.00000
1.207289E+08	7.458154E+11	0.00016188	0.00257017	15.87752268	3378.25497	60000.00000
1.207977E+08	7.348908E+11	0.00016438	0.00260025	15.81899151	3382.90458	60000.00000
1.208660E+08	7.242909E+11	0.00016688	0.00263038	15.76254979	3387.00817	60000.00000
1.209294E+08	7.139740E+11	0.00016938	0.00266090	15.71012601	3390.62567	60000.00000
1.209877E+08	7.039287E+11	0.00017188	0.00269182	15.66149220	3393.71521	60000.00000
1.210456E+08	6.941683E+11	0.00017438	0.00272280	15.61462328	3396.19701	60000.00000
1.211597E+08	6.754546E+11	0.00017938	0.00278496	15.52590385	3399.31058	60000.00000
1.212675E+08	6.577220E+11	0.00018438	0.00284773	15.44532493	3397.38578	60000.00000
1.213561E+08	6.408245E+11	0.00018938	0.00291219	15.37789151	3387.29047	60000.00000
1.214434E+08	6.247892E+11	0.00019438	0.00297685	15.31496152	3377.14204	60000.00000
1.215149E+08	6.094791E+11	0.00019938	0.00304086	15.25196448	3370.29117	60000.00000
1.215615E+08	5.947963E+11	0.00020438	0.00310367	15.18615380	3379.34855	60000.00000
1.216070E+08	5.808096E+11	0.00020938	0.00316667	15.12438253	3386.80610	60000.00000
1.216432E+08	5.674320E+11	0.00021438	0.00323070	15.07030651	3392.77406	60000.00000
1.216730E+08	5.546348E+11	0.00021938	0.00329547	15.02209112	3397.03937	60000.00000
1.218982E+08	5.432790E+11	0.00022438	0.00336563	15.00000045	3399.65732	60000.00000
1.222746E+08	5.330773E+11	0.00022938	0.00344063	15.00000045	3394.06154	60000.00000
1.226234E+08	5.231930E+11	0.00023438	0.00351563	15.00000045	3383.16202	60000.00000
1.229589E+08	5.136665E+11	0.00023938	0.00359063	15.00000045	3372.26250	60000.00000
1.232813E+08	5.044758E+11	0.00024438	0.00366563	15.00000045	3361.36299	60000.00000
1.235904E+08	4.956008E+11	0.00024938	0.00374063	15.00000045	3366.14527	60000.00000
1.238548E+08	4.868984E+11	0.00025438	0.00381563	15.00000045	3377.28498	60000.00000

Unfactored (Nominal) Moment Capacity at Concrete Strain of 0.003 = 121469.26200 in-kip

---

Computed Values of Load Distribution and Deflection
for Lateral Loading for Load Case Number 1

Pile-head boundary conditions are Shear and Moment (Pile-head Condition Type 1)
Specified shear force at pile head = 46000.000 lbs
Specified moment at pile head = 53388000.000 in-lbs
Specified axial load at pile head = 50000.000 lbs

Output Verification:

Computed forces and moments are within specified convergence limits.

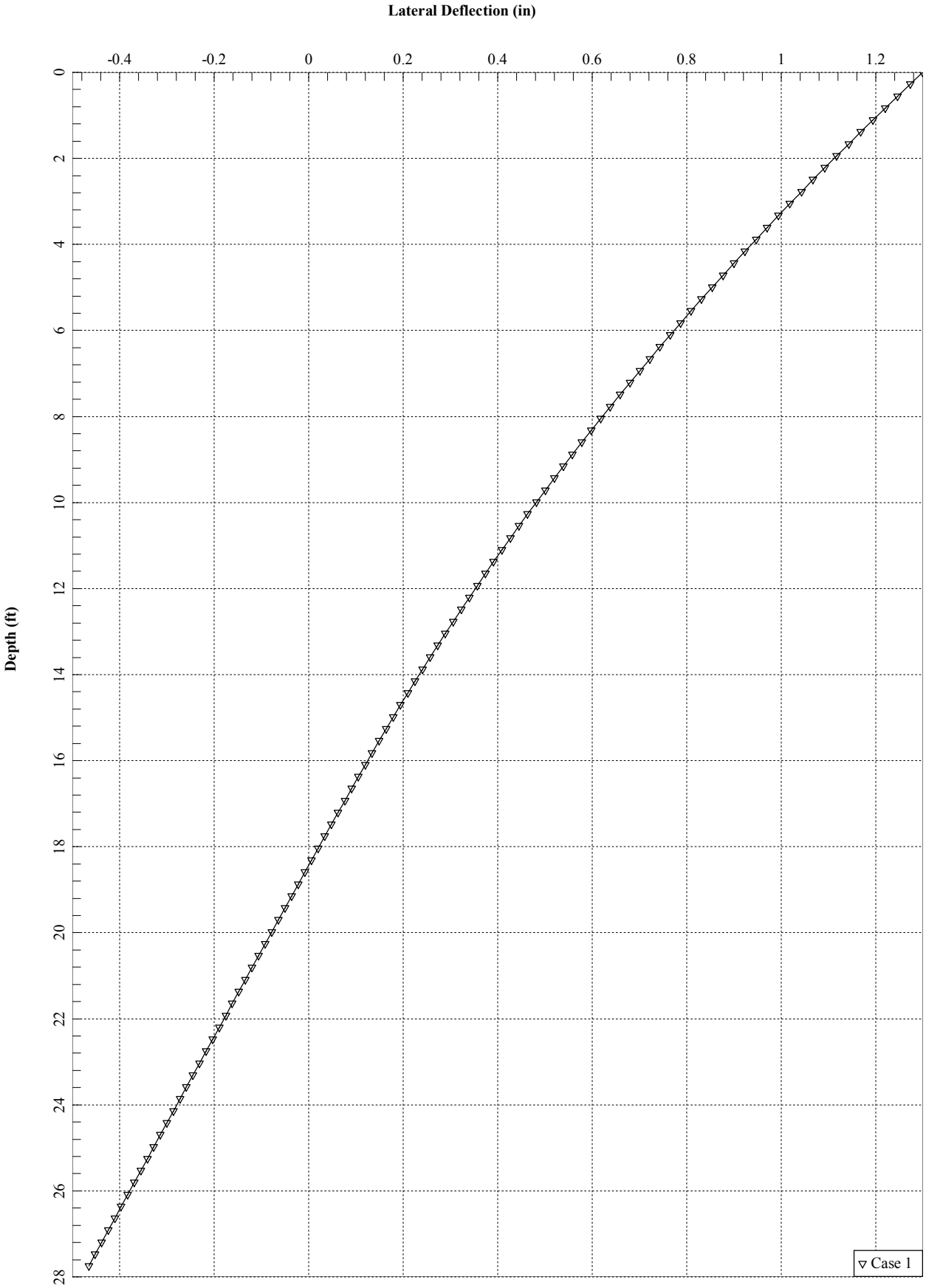
Summary of Pile Response(s)

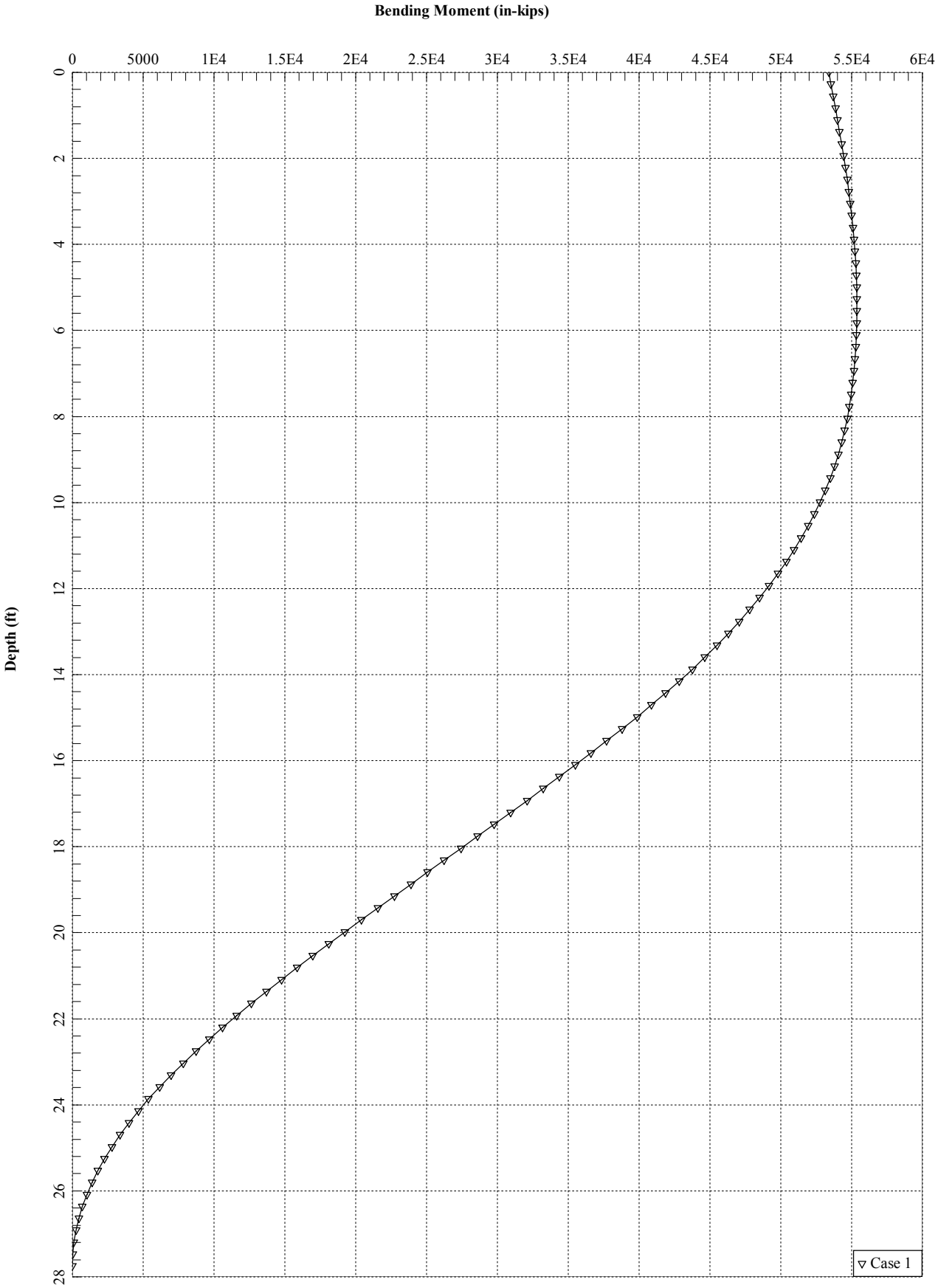
Definition of Symbols for Pile-Head Loading Conditions:

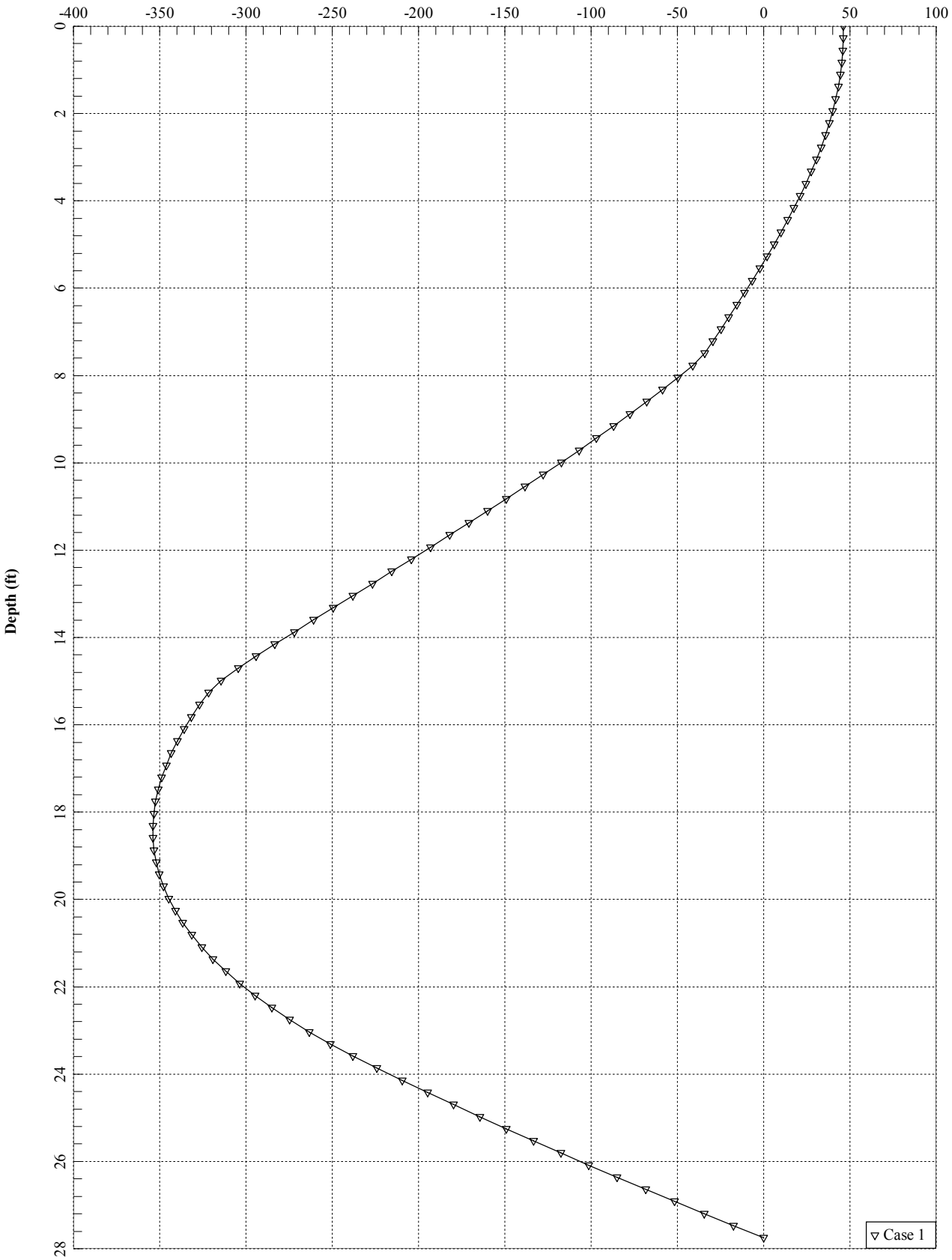
Type 1 = Shear and Moment, y = pile-head displacment in
Type 2 = Shear and Slope, M = Pile-head Moment lbs-in
Type 3 = Shear and Rot. Stiffness, V = Pile-head Shear Force lbs
Type 4 = Deflection and Moment, S = Pile-head Slope, radians
Type 5 = Deflection and Slope, R = Rot. Stiffness of Pile-head in-lbs/rad

Load Type	Pile-Head Condition 1	Pile-Head Condition 2	Axial Load lbs	Pile-Head Deflection in	Maximum Moment in-lbs	Maximum Shear lbs
1	V= 46000.	M= 5.34E+07	50000.0000	1.2992	5.5375E+07	-353919.

The analysis ended normally.


Lateral Deflection (in)
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
1.2
Depth (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Case 1


Bending Moment (in-kips)
0
5000
1E4
1.5E4
2E4
2.5E4
3E4
3.5E4
4E4
4.5E4
5E4
5.5E4
6E4
Depth (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Case 1


Shear Force (kips)
-400
-350
-300
-250
-200
-150
-100
-50
0
50
100
Depth (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
Case 1

Maser Consulting Connecticut
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Stamford, CT 06901
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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10118622
Maser Consulting Connecticut Project #: 21777120A (Rev. 1)

November 29, 2021

Site Information	*Site ID:*	*468784-VZW / KILLINGLY CENTER CT*
	Site Name:	*KILLINGLY CENTER CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*79 Putnam Pike* *Dayville, Connecticut 06241* *Windham County*
	Latitude:	*41.847403°*
	Longitude:	*-71.878961°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*13.29-Ft Platform*

FUZE ID # 16272123

Analysis Results

Platform: **70.7% Pass**

******Contractor PMI Requirements***:
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Conner Hoge

STATE OF CONNECTICUT
ERIC T. ANDERSON
No. 32224
LICENSED
PROFESSIONAL ENGINEER

11/29/2021

Executive Summary:

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 2521639, dated November 16, 2021*
Mount Mapping Report	*Hudson Design Group LLC, Site ID: 468784, dated March 22, 2021*
Construction Drawings	*Hudson Design Group LLC, Site Name: Killingly Center CT, dated November 9, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut Project #:21777120A (Rev. 1), dated November 22, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut Project #:21777120A (Rev. 1), dated November 29, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	121 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.990
Seismic Parameters:	S_S:	0.184 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
106.50	108.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Andrew	HBXX-6517DS-VTM	Retained
		2	Raycap	RRFDC-3315-PF-48*	

*Equipment is flush mounted directly to the equipment mount. They are not mounted on the platform mount and are not included in this mount analysis.

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	44.0%	Pass
Corner Plate	24.0%	Pass
Grating Support	18.0%	Pass
Cross Arm Plate	13.0%	Pass
Face Horizontal	14.0%	Pass
Connection	70.7%	Pass
Mount Pipe	34.0%	Pass
Support Rail	16.0%	Pass
Support Corners	40.0%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**70.7%**

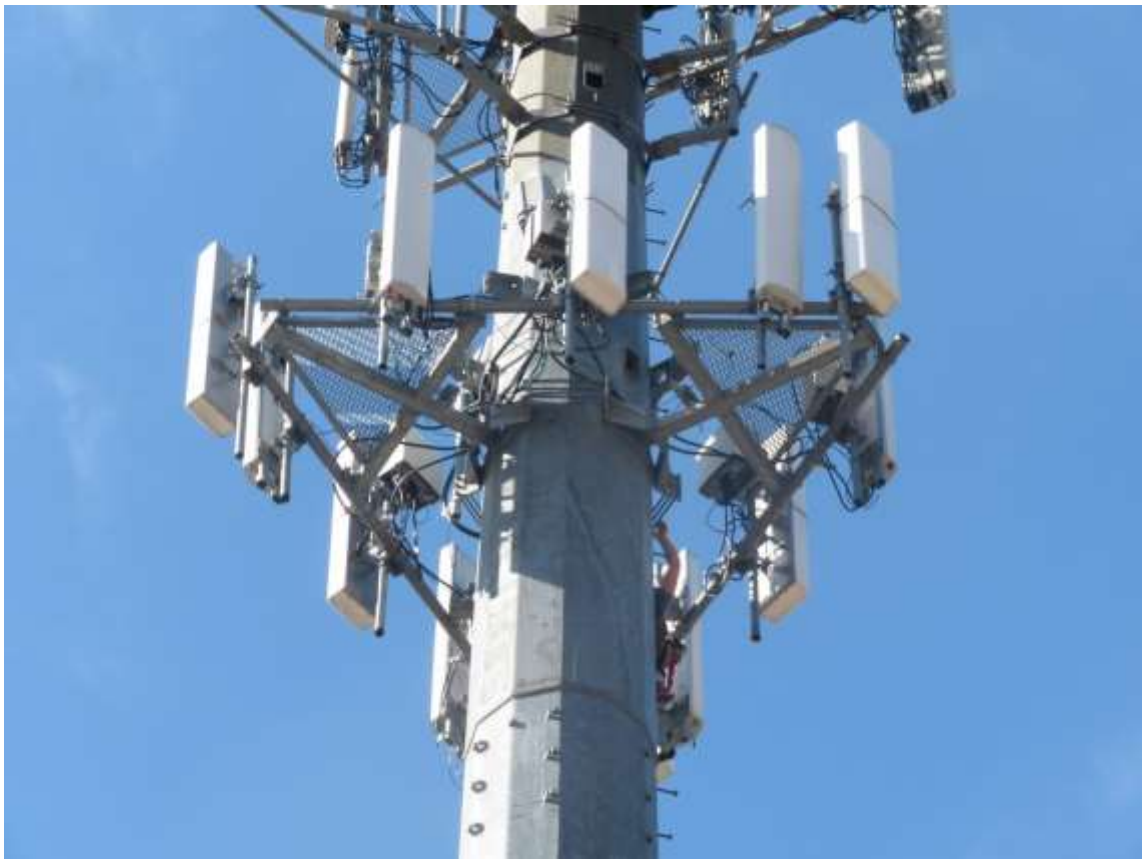
Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

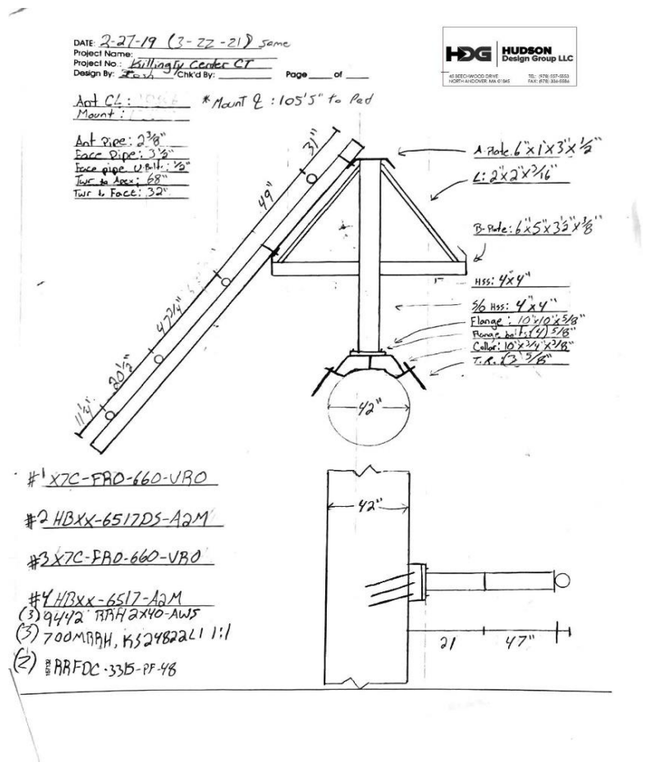


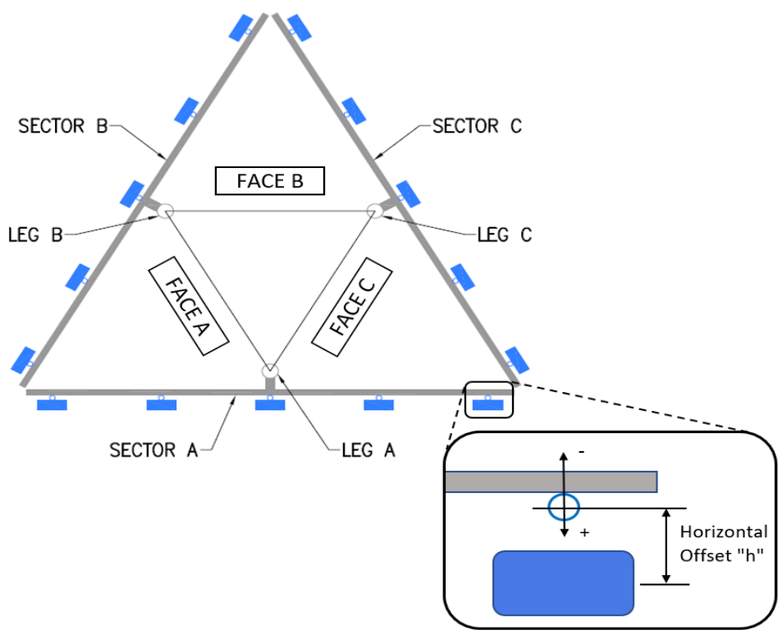
V3.0 Updated on 8-31-2020

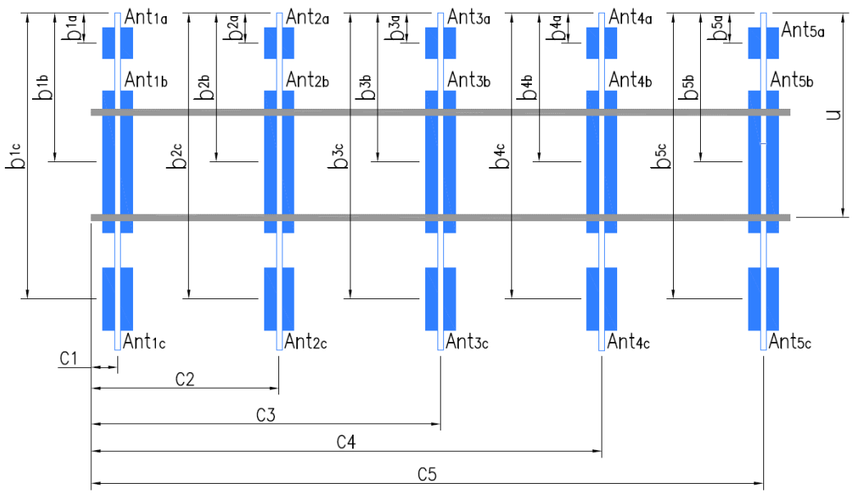
Antenna Mount Mapping Form (PATENT PENDING)

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/22/2021
Site Name:	KILLINGLY CENTER CT	**Tower Type:**	Monopole
Site Number or ID:	468784	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP LLC,	**Mount Elevation (Ft.):**	105.41

FCC #







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE x 84" LONG	48.00	11.00	C1	2" STD. PIPE x 84" LONG	48.00	11.00
A2	2" STD. PIPE x 84" LONG	48.00	32.00	C2	2" STD. PIPE x 84" LONG	48.00	32.00
A3	2" STD. PIPE x 84" LONG	48.00	80.00	C3	2" STD. PIPE x 84" LONG	48.00	80.00
A4	2" STD. PIPE x 84" LONG	48.00	129.00	C4	2" STD. PIPE x 84" LONG	48.00	129.00
A5				C5			
A6				C6			
B1	2" STD. PIPE x 84" LONG	48.00	11.00	D1			
B2	2" STD. PIPE x 84" LONG	48.00	32.00	D2			
B3	2" STD. PIPE x 84" LONG	48.00	80.00	D3			
B4	2" STD. PIPE x 84" LONG	48.00	129.00	D4			
B5				D5			
B6				D6			

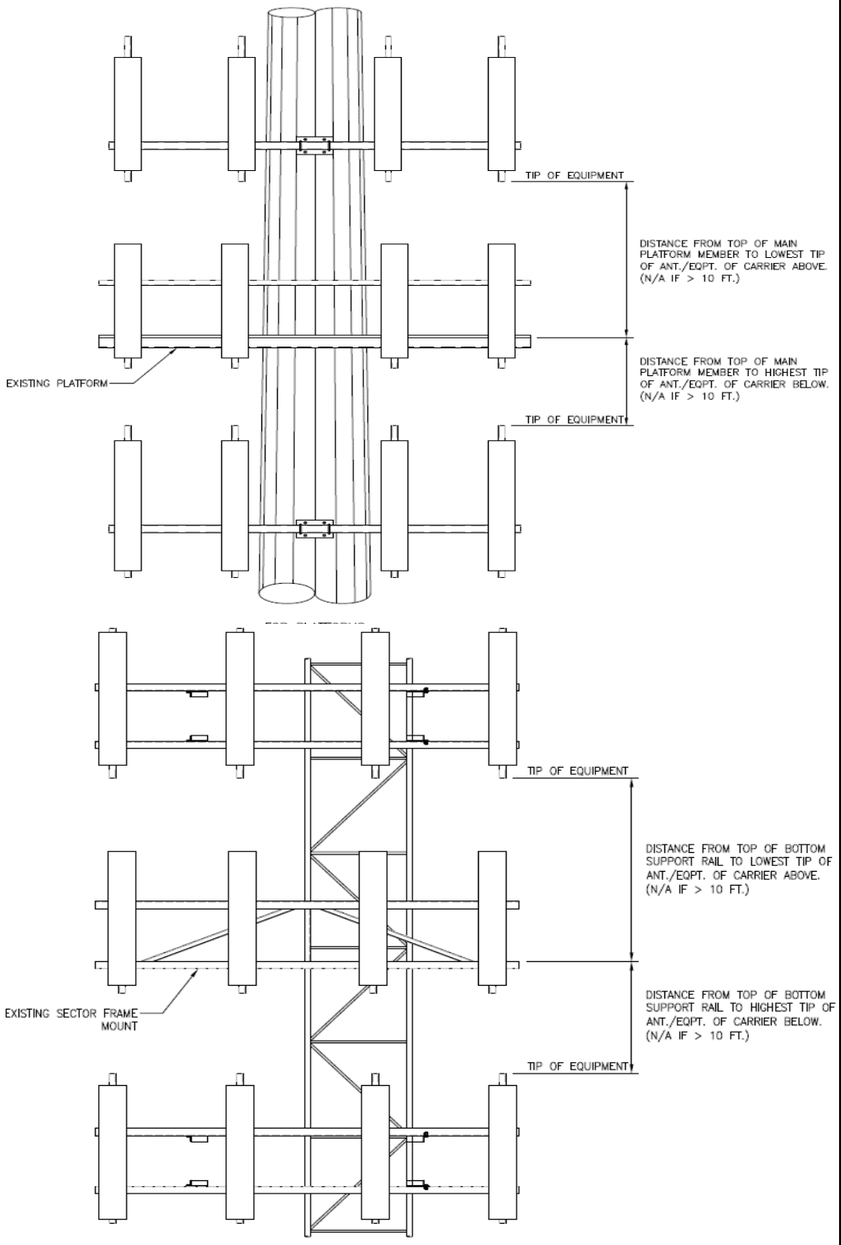
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	42

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	X7C-FRO-660-VRO	14.50	9.00	72.00		106.91	30.00	12.00	0.00	27,38
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00		106.91	30.00	9.00	0.00	27,38
Ant_{2c}										
Ant_{3a}	9442 RRH 2X40AWS	16.00	10.00	16.00		107.91	18.00	-8.00		28,39
Ant_{3b}	X7C-FRO-660-VRO	14.50	9.00	72.00		106.91	30.00	12.00	0.00	28,39
Ant_{3c}										
Ant_{4a}	700MRRH,KS24822L1	12.00	8.00	25.00		106.91	30.00	-9.00		29,40
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00		106.91	30.00	9.00	0.00	29,40
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	OVP	15.00	10.00	28.00						41
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg
Climbing Facility Information					
Location:	265.00	Deg	N/A		
Climbing Facility	Corrosion Type:				
	Access:				
	Condition:				



Sector B										
Ant_{1a}										
Ant_{1b}	X7C-FRO-660-VRO	14.50	9.00	72.00		106.91	30.00	12.00	190.00	31,43
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00		106.91	30.00	9.00	190.00	31,43
Ant_{2c}										
Ant_{3a}	9442 RRH 2X40AWS	16.00	10.00	16.00		107.91	18.00	-8.00		32,44
Ant_{3b}	X7C-FRO-660-VRO	14.50	9.00	72.00		106.91	30.00	12.00	190.00	32,44
Ant_{3c}										
Ant_{4a}	700MRRH,KS24822L1	12.00	8.00	25.00		106.91	30.00	-9.00		32,44
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00		106.91	30.00	9.00	190.00	32,44
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	OVP	15.00	10.00	28.00						41
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	X7C-FRO-660-VRO	14.50	9.00	72.00		106.91	30.00	12.00	270.00	34.47
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00		106.91	30.00	9.00	270.00	34.47
Ant_{2c}										
Ant_{3a}	9442 RRH 2X40AWS	16.00	10.00	16.00		107.91	18.00	-8.00		35,48
Ant_{3b}	X7C-FRO-660-VRO	14.50	9.00	72.00		106.91	30.00	12.00	270.00	35,48
Ant_{3c}										
Ant_{4a}	700MRRH,KS24822L1	12.00	8.00	25.00		106.91	30.00	-9.00		35,49
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00		106.91	30.00	9.00	270.00	35,49
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	(2) 1-1/4" HYBRID	18
2		
3		
4		
5		
6		
7		
8		

Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	**Mapping Date:**	3/22/2021
Site Name:	KILLINGLY CENTER CT	**Tower Type:**	Monopole
Site Number or ID:	468784	**Tower Height (Ft.):**	180
Mapping Contractor:	HUDSON DESIGN GROUP LLC,	**Mount Elevation (Ft.):**	105.41

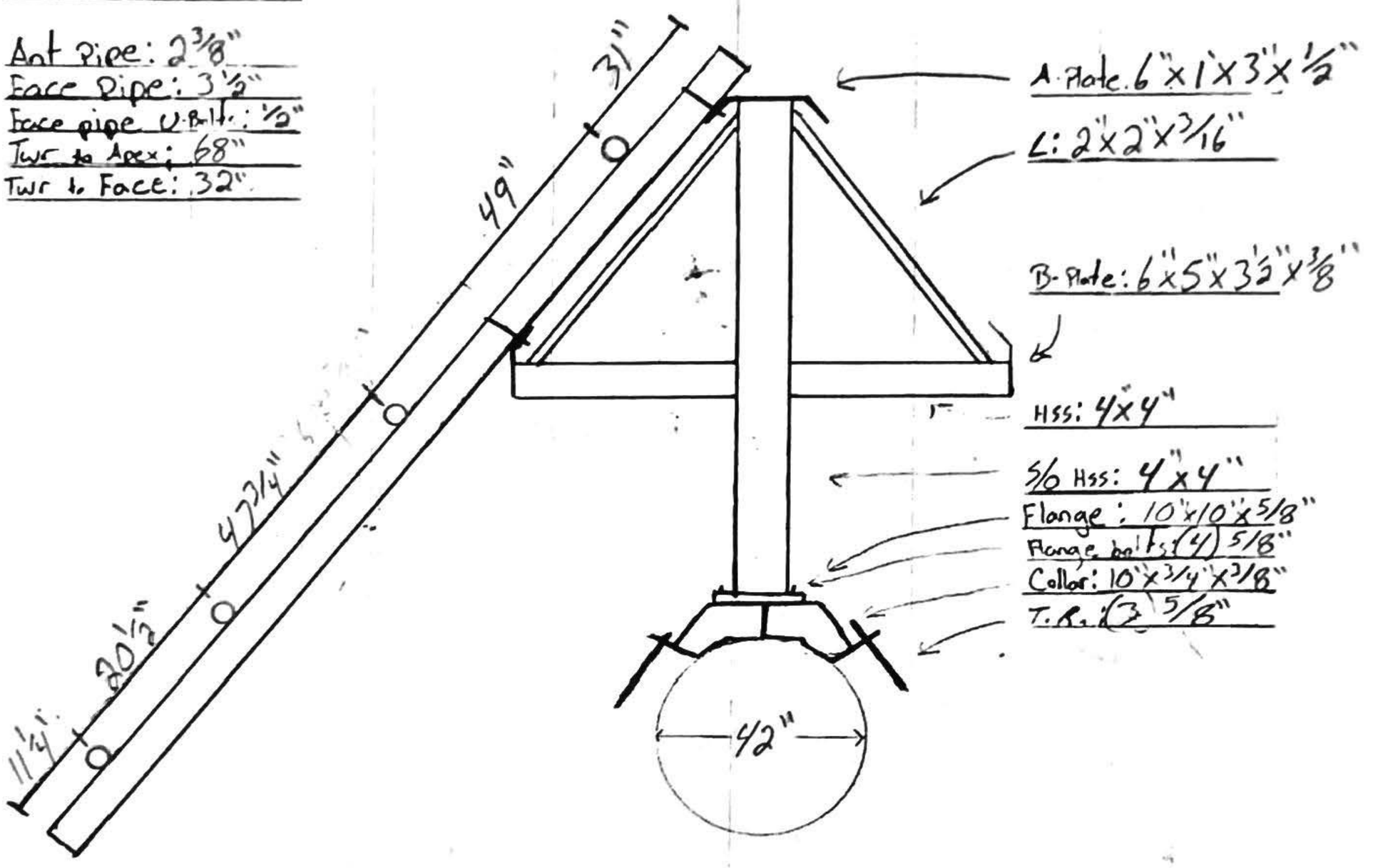
Please Insert Sketches of the Antenna Mount

DATE: 2-27-19 (3-22-21) same
Project Name:
Project No.: Killingly Center CT
Design By: Tash Chk'd By: _____ Page ____ of ____

HUDSON Design Group LLC
45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
TEL: (978) 557-5553 FAX: (978) 336-5586

Ant CL: 105'6
Mount: [illegible]
*Mount ℄: 105'5" to Ped

Ant Pipe: 2 3/8"
Face Pipe: 3 1/2"
Face pipe U-Bolt: 1/2"
Twr to Apex: 68"
Twr to Face: 32"



#1 X7C-FRO-660-VRO

#2 HBXX-6517DS-A2M

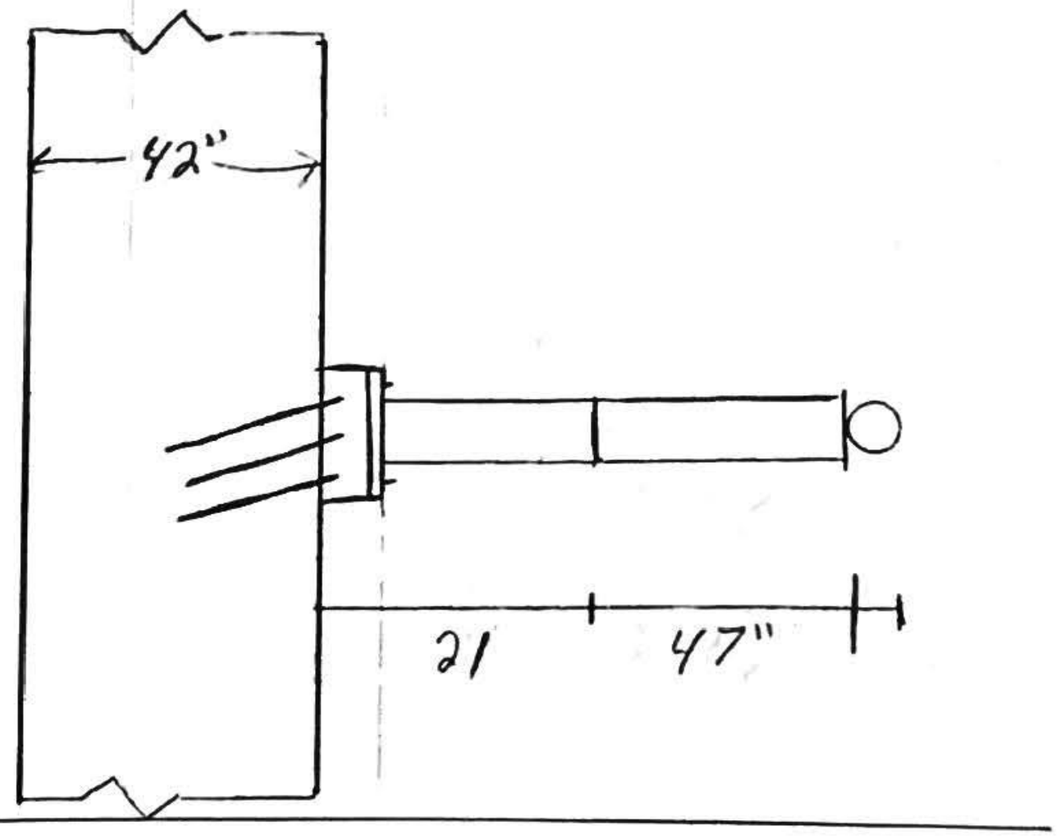
#3 X7C-FRO-660-VRO

#4 HBXX-6517-A2M

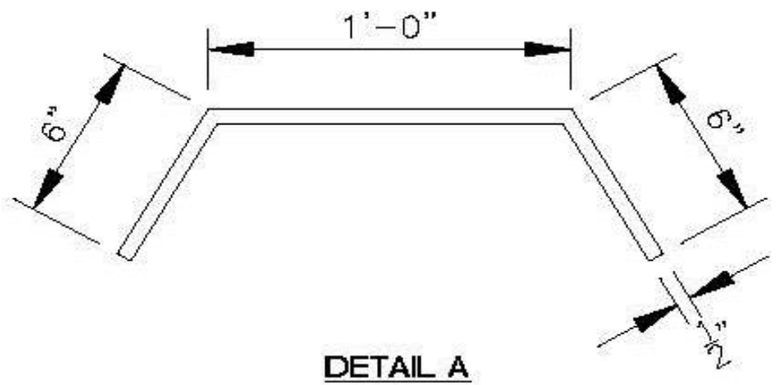
(3) 9442 RRH 2x40-AWS

(3) 700MRRH, KS24822L1 1:1

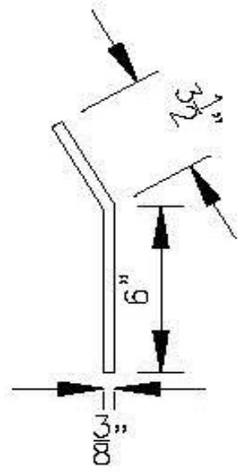
(2) RRFDC-3315-PF-48



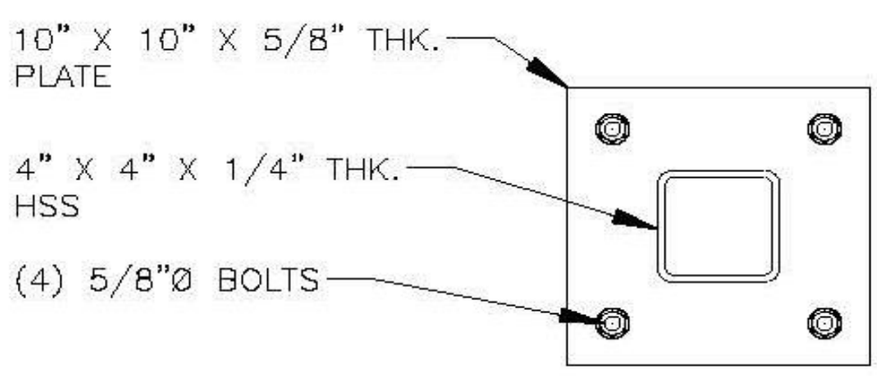
Please Insert Sketches of the Antenna Mount, cont'd



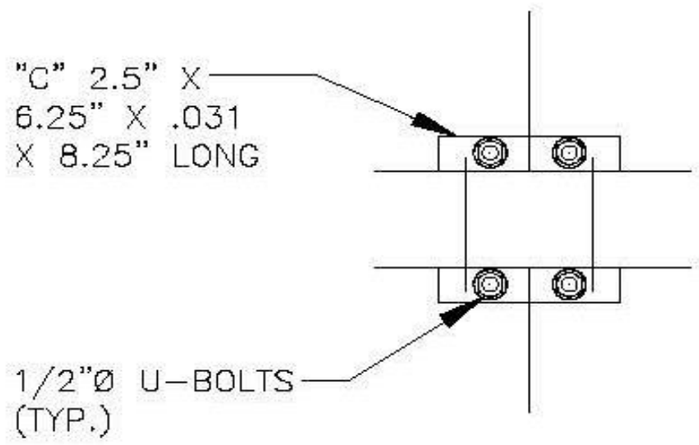
DETAIL A



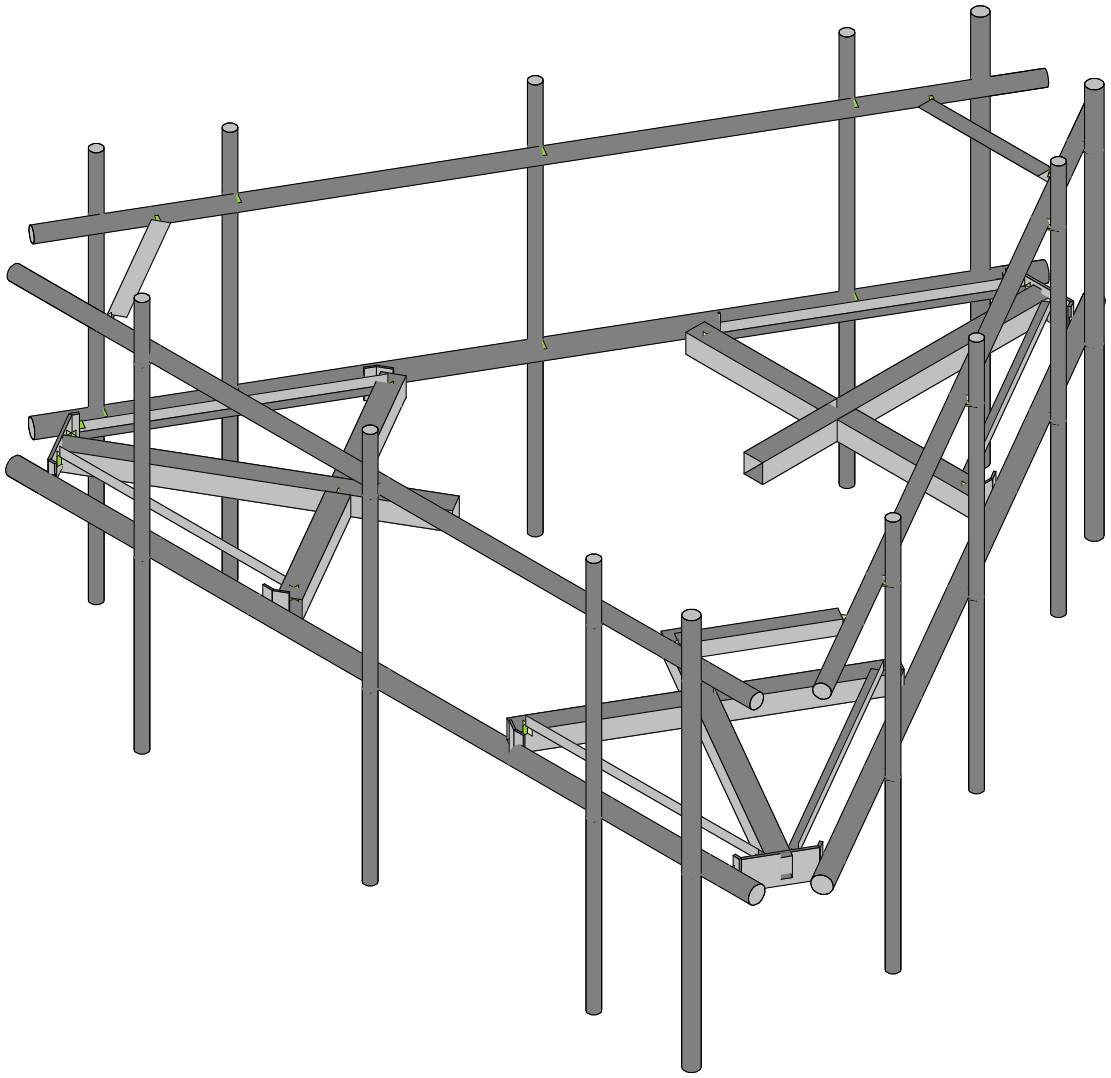
DETAIL B



DETAIL C

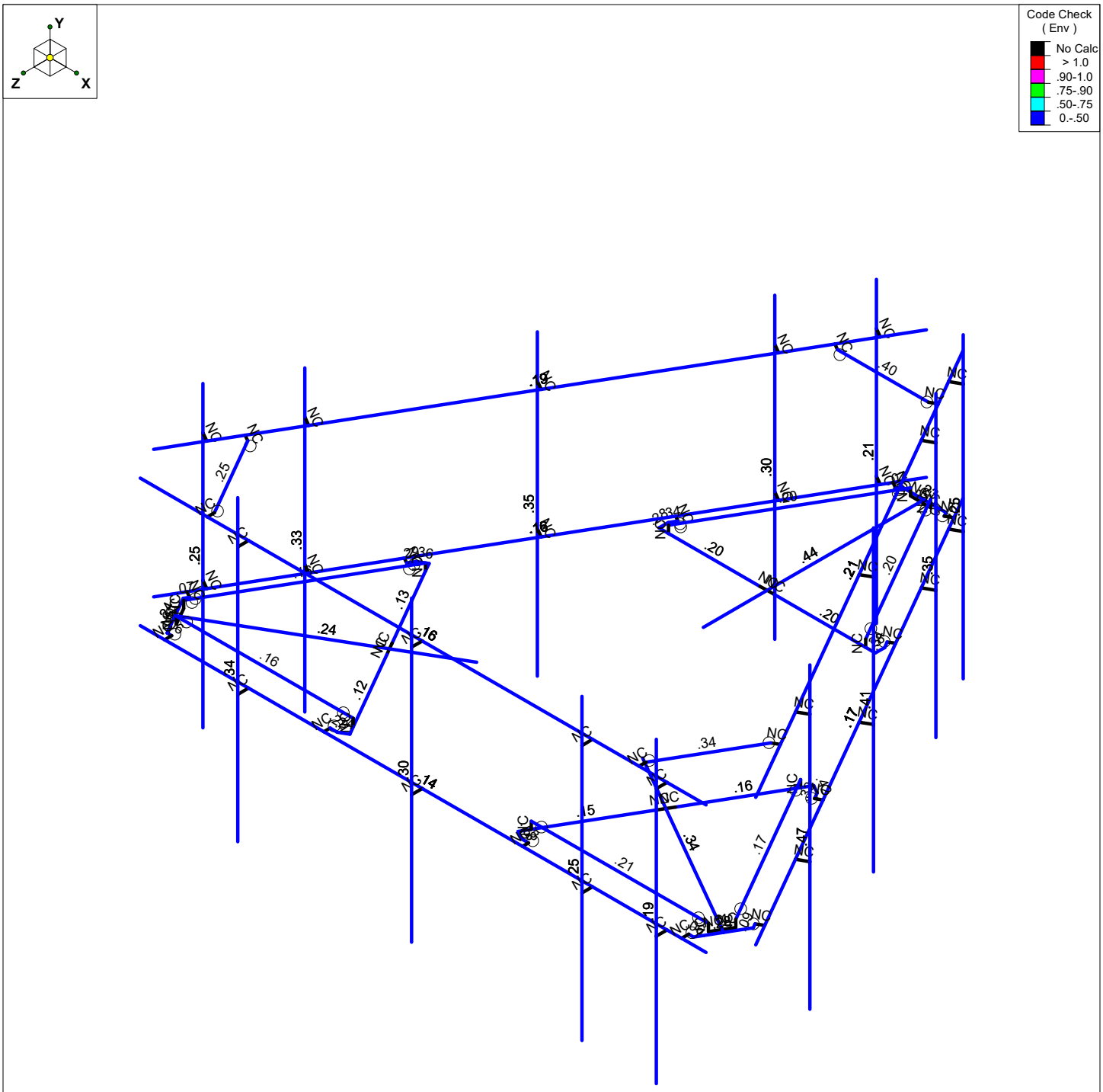


DETAIL D



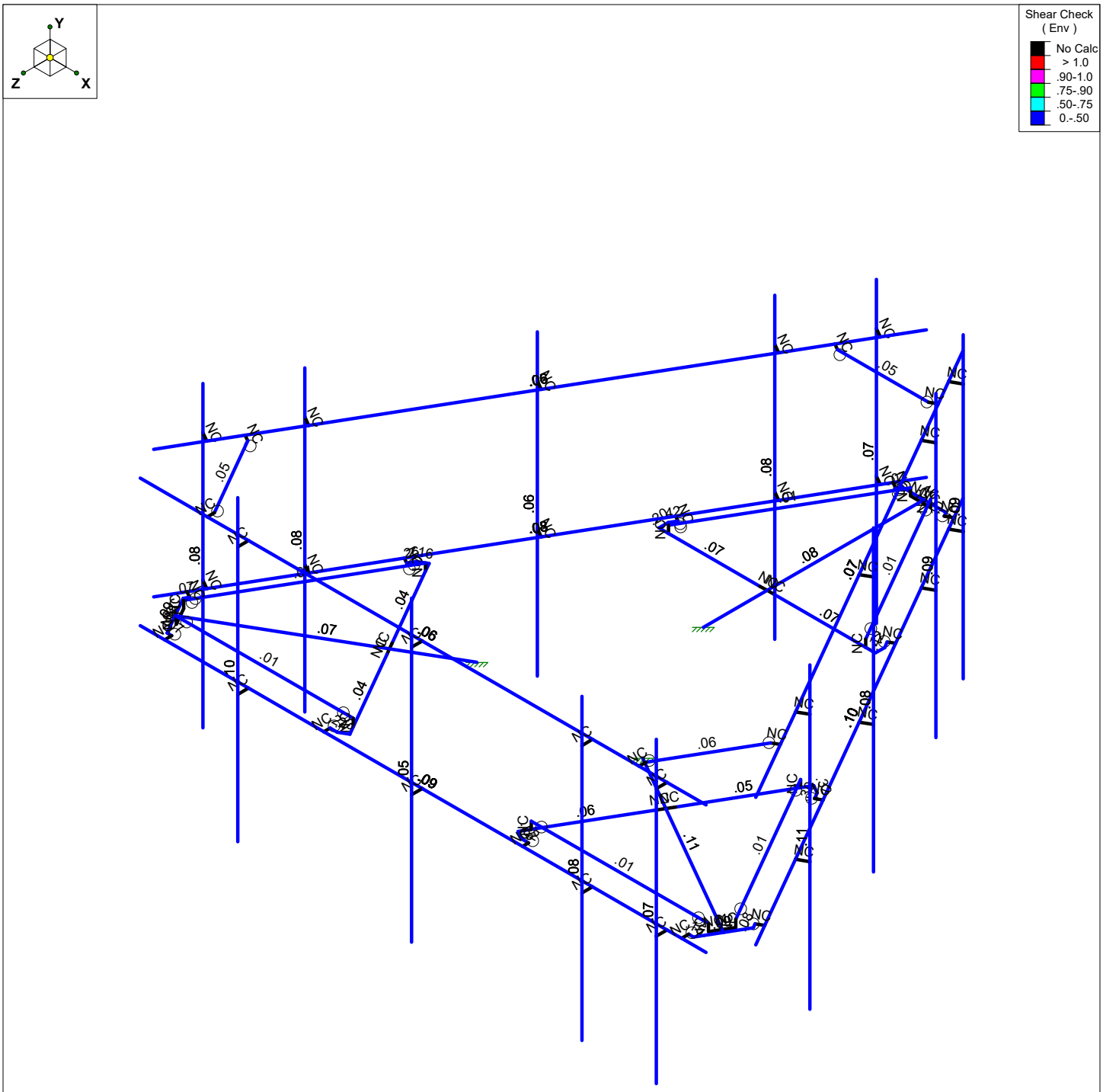
Envelope Only Solution

Maser Consulting	468784-VZW_MT_LO_H	SK - 1
NL		Nov 23, 2021 at 10:46 AM
Project No. 10118622		Mod_468784-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468784-VZW_MT_LO_H	SK - 2
NL		Nov 23, 2021 at 10:46 AM
Project No. 10118622		Mod_468784-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	468784-VZW_MT_LO_H	SK - 3
NL		Nov 23, 2021 at 10:46 AM
Project No. 10118622		Mod_468784-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					90			
2	Antenna Di	None					90			
3	Antenna Wo (0 Deg)	None					90			
4	Antenna Wo (30 Deg)	None					90			
5	Antenna Wo (60 Deg)	None					90			
6	Antenna Wo (90 Deg)	None					90			
7	Antenna Wo (120 Deg)	None					90			
8	Antenna Wo (150 Deg)	None					90			
9	Antenna Wo (180 Deg)	None					90			
10	Antenna Wo (210 Deg)	None					90			
11	Antenna Wo (240 Deg)	None					90			
12	Antenna Wo (270 Deg)	None					90			
13	Antenna Wo (300 Deg)	None					90			
14	Antenna Wo (330 Deg)	None					90			
15	Antenna Wi (0 Deg)	None					90			
16	Antenna Wi (30 Deg)	None					90			
17	Antenna Wi (60 Deg)	None					90			
18	Antenna Wi (90 Deg)	None					90			
19	Antenna Wi (120 Deg)	None					90			
20	Antenna Wi (150 Deg)	None					90			
21	Antenna Wi (180 Deg)	None					90			
22	Antenna Wi (210 Deg)	None					90			
23	Antenna Wi (240 Deg)	None					90			
24	Antenna Wi (270 Deg)	None					90			
25	Antenna Wi (300 Deg)	None					90			
26	Antenna Wi (330 Deg)	None					90			
27	Antenna Wm (0 Deg)	None					90			
28	Antenna Wm (30 Deg)	None					90			
29	Antenna Wm (60 Deg)	None					90			
30	Antenna Wm (90 Deg)	None					90			
31	Antenna Wm (120 Deg)	None					90			
32	Antenna Wm (150 Deg)	None					90			
33	Antenna Wm (180 Deg)	None					90			
34	Antenna Wm (210 Deg)	None					90			
35	Antenna Wm (240 Deg)	None					90			
36	Antenna Wm (270 Deg)	None					90			
37	Antenna Wm (300 Deg)	None					90			
38	Antenna Wm (330 Deg)	None					90			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
57	Structure Wi (120 Deg)	None						116		
58	Structure Wi (150 Deg)	None						116		
59	Structure Wi (180 Deg)	None						116		
60	Structure Wi (210 Deg)	None						116		
61	Structure Wi (240 Deg)	None						116		
62	Structure Wi (270 Deg)	None						116		
63	Structure Wi (300 Deg)	None						116		
64	Structure Wi (330 Deg)	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 Deg)	None						116		
67	Structure Wm (60 Deg)	None						116		
68	Structure Wm (90 Deg)	None						116		
69	Structure Wm (120 Deg)	None						116		
70	Structure Wm (150 Deg)	None						116		
71	Structure Wm (180 Deg)	None						116		
72	Structure Wm (210 Deg)	None						116		
73	Structure Wm (240 Deg)	None						116		
74	Structure Wm (270 Deg)	None						116		
75	Structure Wm (300 Deg)	None						116		
76	Structure Wm (330 Deg)	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					90			
82	Antenna Eh (0 Deg)	None					60			
83	Antenna Eh (90 Deg)	None					60			
84	Structure Ev	ELY								
85	Structure Eh (0 Deg)	ELZ	-.03							
86	Structure Eh (90 Deg)	ELX			.03					
87	BLC 39 Transient Area Loads	None						30		
88	BLC 40 Transient Area Loads	None						30		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...					
53	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1				
56	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...					
59	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1				
62	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...					
65	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1				
68	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
1	N3	-0.	0	-0.958333	0	
2	N5	-2.541667	0	-2.458333	0	
3	N6	2.315104	0.166667	-2.458333	0	
4	N7	-2.315104	0.166667	-2.458333	0	
5	N24	-0.	0	-2.458333	0	
6	N27	-0.	0	-6.145833	0	
7	CP	0	0	1.291667	0	
8	N29	2.315104	0	-2.458333	0	
9	N30	-2.315104	0	-2.458333	0	
10	N101	2.541667	0	-2.458333	0	
11	N102	-0.166667	0	-2.458333	0	
12	N103A	0.166667	0	-2.458333	0	
13	N104A	-2.541667	0	-2.677083	0	
14	N105	2.541667	0	-2.677083	0	
15	N131	2.458333	0	-2.821421	0	
16	N135	0.571615	0	-6.048857	0	
17	N144	-2.458333	0	-2.821421	0	
18	N148	-0.571615	0	-6.048857	0	
19	N86A	2.584629	0	-2.894338	0	
20	N86B	-2.584629	0	-2.894338	0	
21	N86C	-0.515625	0	-6.145833	0	
22	N87A	0.515625	0	-6.145833	0	
23	N86D	0.715429	0	-6.131888	0	
24	N86E	-0.715429	0	-6.131888	0	
25	N88A	-0.	0	-6.0625	0	
26	N87C	0.234238	0.166667	-6.0625	0	
27	N86G	0.234238	0	-6.0625	0	
28	N87B	-0.234238	0.166667	-6.0625	0	
29	N88C	-0.234238	0	-6.0625	0	
30	N30A	-1.948557	0	2.416667	0	
31	N31	-1.976762	0	5.367815	0	
32	N32	-4.405147	0.166667	1.161728	0	
33	N33	-2.090043	0.166667	5.171606	0	
34	N34	-3.247595	0	3.166667	0	
35	N35	-6.441064	0	5.010417	0	
36	N37	-4.405147	0	1.161728	0	
37	N38	-2.090043	0	5.171606	0	
38	N39	-4.518429	0	0.965519	0	
39	N40	-3.164262	0	3.311004	0	
40	N41	-3.330929	0	3.022329	0	
41	N42	-2.166205	0	5.47719	0	
42	N43	-4.707872	0	1.074894	0	
43	N44	-4.791205	0	1.219231	0	
44	N45	-6.642887	0	4.466896	0	
45	N46	-2.332872	0	5.47719	0	
46	N47	-6.071272	0	5.456961	0	
47	N48	-4.917501	0	1.146315	0	
48	N49	-2.332872	0	5.623023	0	
49	N50	-6.183251	0	5.456961	0	
50	N51	-6.698876	0	4.563872	0	
51	N52	-6.786701	0	4.383864	0	
52	N53	-6.071272	0	5.623023	0	
53	N54	-6.368895	0	4.96875	0	
54	N55	-6.486014	0.166667	4.765894	0	
55	N56	-6.486014	0	4.765894	0	
56	N57	-6.251776	0.166667	5.171606	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
57	N58	-6.251776	0	5.171606	0	
58	N59	1.948557	0	2.416667	0	
59	N60	4.518429	0	0.965519	0	
60	N61	2.090043	0.166667	5.171606	0	
61	N62	4.405147	0.166667	1.161728	0	
62	N63	3.247595	0	3.166667	0	
63	N64	6.441064	0	5.010417	0	
64	N66	2.090043	0	5.171606	0	
65	N67	4.405147	0	1.161728	0	
66	N68	1.976762	0	5.367815	0	
67	N69	3.330929	0	3.022329	0	
68	N70	3.164262	0	3.311004	0	
69	N71	4.707872	0	1.074894	0	
70	N72	2.166205	0	5.47719	0	
71	N73	2.332872	0	5.47719	0	
72	N74	6.071272	0	5.456961	0	
73	N75	4.791205	0	1.219231	0	
74	N76	6.642887	0	4.466896	0	
75	N77	2.332872	0	5.623023	0	
76	N78	4.917501	0	1.146314	0	
77	N79	6.698876	0	4.563872	0	
78	N80	6.183251	0	5.456961	0	
79	N81	6.071272	0	5.623023	0	
80	N82	6.786701	0	4.383864	0	
81	N83	6.368895	0	4.96875	0	
82	N84	6.251776	0.166667	5.171606	0	
83	N85	6.251776	0	5.171606	0	
84	N86	6.486014	0.166667	4.765894	0	
85	N87	6.486014	0	4.765894	0	
86	N86F	0.	0	5.623023	0	
87	N87D	6.645833	0	5.623023	0	
88	N88	-6.645833	0	5.623023	0	
89	N90	0.428148	0	-6.629472	0	
90	N91	7.073981	0	4.881449	0	
91	N93	-7.073982	0	4.881449	0	
92	N94	-0.428148	0	-6.629472	0	
93	N93A	5.729167	0	5.623023	0	
94	N94A	5.729167	0	5.873023	0	
95	N95	5.729167	4	5.873023	0	
96	N96	5.729167	-3	5.873023	0	
97	N97	3.979167	0	5.623023	0	
98	N98	3.979167	0	5.873023	0	
99	N99	3.979167	4	5.873023	0	
100	N100	3.979167	-3	5.873023	0	
101	N101A	-0.020833	0	5.623023	0	
102	N102A	-0.020833	0	5.873023	0	
103	N103	-0.020833	4	5.873023	0	
104	N104	-0.020833	-3	5.873023	0	
105	N105A	-4.104167	0	5.623023	0	
106	N106	-4.104167	0	5.873023	0	
107	N107	-4.104167	4	5.873023	0	
108	N108	-4.104167	-3	5.873023	0	
109	N110	0.886481	0	-5.835616	0	
110	N111	1.102988	0	-5.960616	0	
111	N112	1.102988	4	-5.960616	0	
112	N113	1.102988	-3	-5.960616	0	
113	N114	1.761481	0	-4.320071	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
114	N115	1.977988	0	-4.445071	0	
115	N116	1.977988	4	-4.445071	0	
116	N117	1.977988	-3	-4.445071	0	
117	N118	3.761481	0	-0.855969	0	
118	N119	3.977988	0	-0.980969	0	
119	N120	3.977988	4	-0.980969	0	
120	N121	3.977988	-3	-0.980969	0	
121	N122	5.803148	0	2.680301	0	
122	N123	6.019655	0	2.555301	0	
123	N124	6.019655	4	2.555301	0	
124	N125	6.019655	-3	2.555301	0	
125	N127	-6.615648	0	4.087592	0	
126	N128	-6.832155	0	3.962592	0	
127	N129	-6.832155	4	3.962592	0	
128	N130	-6.832155	-3	3.962592	0	
129	N131A	-5.740648	0	2.572048	0	
130	N132	-5.957155	0	2.447048	0	
131	N133	-5.957155	4	2.447048	0	
132	N134	-5.957155	-3	2.447048	0	
133	N135A	-3.740648	0	-0.892054	0	
134	N136	-3.957155	0	-1.017054	0	
135	N137	-3.957155	4	-1.017054	0	
136	N138	-3.957155	-3	-1.017054	0	
137	N139	-1.698982	0	-4.428324	0	
138	N140	-1.915488	0	-4.553324	0	
139	N141	-1.915488	4	-4.553324	0	
140	N142	-1.915488	-3	-4.553324	0	
141	N141A	1.071615	3	-5.182831	0	
142	N142A	-1.071615	3	-5.182831	0	
143	N143	1.215429	3	-5.265862	0	
144	N144A	-1.215429	3	-5.265862	0	
145	N145	-6.142887	3	3.60087	0	
146	N146	-5.071272	3	5.456961	0	
147	N147	-6.286701	3	3.517839	0	
148	N148A	-5.071272	3	5.623023	0	
149	N149	5.071272	3	5.456961	0	
150	N150	6.142887	3	3.60087	0	
151	N151	5.071272	3	5.623023	0	
152	N152	6.286701	3	3.517839	0	
153	N153	0.	3	5.623023	0	
154	N154	6.645833	3	5.623023	0	
155	N155	-6.645833	3	5.623023	0	
156	N156	0.428148	3	-6.629472	0	
157	N157	7.073981	3	4.881449	0	
158	N158	-7.073982	3	4.881449	0	
159	N159	-0.428148	3	-6.629472	0	
160	N160	5.729167	3	5.623023	0	
161	N161	5.729167	3	5.873023	0	
162	N162	3.979167	3	5.623023	0	
163	N163	3.979167	3	5.873023	0	
164	N164	-0.020833	3	5.623023	0	
165	N165	-0.020833	3	5.873023	0	
166	N166	-4.104167	3	5.623023	0	
167	N167	-4.104167	3	5.873023	0	
168	N168	0.886481	3	-5.835616	0	
169	N169	1.102988	3	-5.960616	0	
170	N170	1.761481	3	-4.320071	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
171	N171	1.977988	3	-4.445071	0	
172	N172	3.761481	3	-0.855969	0	
173	N173	3.977988	3	-0.980969	0	
174	N174	5.803148	3	2.680301	0	
175	N175	6.019655	3	2.555301	0	
176	N176	-6.615648	3	4.087592	0	
177	N177	-6.832155	3	3.962592	0	
178	N178	-5.740648	3	2.572048	0	
179	N179	-5.957155	3	2.447048	0	
180	N180	-3.740648	3	-0.892054	0	
181	N181	-3.957155	3	-1.017054	0	
182	N182	-1.698982	3	-4.428324	0	
183	N183	-1.915488	3	-4.553324	0	
184	N184	-0.823982	0	-5.943869	0	
185	N185	-1.040488	0	-6.068869	0	
186	N186	-1.040488	4	-6.068869	0	
187	N187	-1.040488	-3	-6.068869	0	
188	N188	-0.823982	3	-5.943869	0	
189	N189	-1.040488	3	-6.068869	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Antenna Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Corners	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
2	M10	N101	N103A			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
3	M43	N102	N5			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
4	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M25	N30A	N35			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
26	M26	N39	N41			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
27	M27	N40	N31			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
28	M28	N50	N51			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M29	N33	N38			RIGID	None	None	RIGID	Typical
30	M30	N32	N37			RIGID	None	None	RIGID	Typical
31	M31	N55	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N33	N57			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N57	N58			RIGID	None	None	RIGID	Typical
34	M34	N40	N34			RIGID	None	None	RIGID	Typical
35	M35	N34	N41			RIGID	None	None	RIGID	Typical
36	M36	N39	N43			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M37	N43	N44			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M38	N44	N48			RIGID	None	None	RIGID	Typical
39	M39	N51	N45			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40	N45	N52			RIGID	None	None	RIGID	Typical
41	M41	N31	N42			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M42	N42	N46			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43A	N46	N49			RIGID	None	None	RIGID	Typical
44	M44	N50	N47			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45	N47	N53			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54			RIGID	None	None	RIGID	Typical
47	M47	N54	N56			RIGID	None	None	RIGID	Typical
48	M48	N55	N56			RIGID	None	None	RIGID	Typical
49	M49	N59	N64			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
50	M50A	N68	N70			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
51	M51C	N69	N60			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
52	M52A	N79	N80			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N62	N67			RIGID	None	None	RIGID	Typical
54	M54	N61	N66			RIGID	None	None	RIGID	Typical
55	M55	N84	N61			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N62	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N86	N87			RIGID	None	None	RIGID	Typical
58	M58A	N69	N63			RIGID	None	None	RIGID	Typical
59	M59A	N63	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N60	N71			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85			RIGID	None	None	RIGID	Typical
73	M73	N88	N87D			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N91	N90			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N94	N93			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76A	N93A	N94A			RIGID	None	None	RIGID	Typical
77	MP1A	N95	N96			Dual Antenna Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N97	N98			RIGID	None	None	RIGID	Typical
79	MP2A	N99	N100			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M80A	N101A	N102A			RIGID	None	None	RIGID	Typical
81	MP3A	N103	N104			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82	N105A	N106			RIGID	None	None	RIGID	Typical
83	MP4A	N107	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N110	N111			RIGID	None	None	RIGID	Typical
85	MP1C	N112	N113			Dual Antenna Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N114	N115			RIGID	None	None	RIGID	Typical
87	MP2C	N116	N117			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M88A	N118	N119			RIGID	None	None	RIGID	Typical
89	MP3C	N120	N121			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90	N122	N123			RIGID	None	None	RIGID	Typical
91	MP4C	N124	N125			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N127	N128			RIGID	None	None	RIGID	Typical
93	MP1B	N129	N130			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N131A	N132			RIGID	None	None	RIGID	Typical
95	MP2B	N133	N134			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N135A	N136			RIGID	None	None	RIGID	Typical
97	MP3B	N137	N138			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M98	N139	N140			RIGID	None	None	RIGID	Typical
99	MP4B	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N141A	N143			RIGID	None	None	RIGID	Typical
101	M101	N142A	N144A			RIGID	None	None	RIGID	Typical
102	M102	N145	N147			RIGID	None	None	RIGID	Typical
103	M103	N146	N148A			RIGID	None	None	RIGID	Typical
104	M104	N149	N151			RIGID	None	None	RIGID	Typical
105	M105	N150	N152			RIGID	None	None	RIGID	Typical
106	M106	N155	N154			Support Rail	Column	Pipe	A53 Gr.B	Typical
107	M107	N157	N156			Support Rail	Column	Pipe	A53 Gr.B	Typical
108	M108	N159	N158			Support Rail	Column	Pipe	A53 Gr.B	Typical
109	M109	N160	N161			RIGID	None	None	RIGID	Typical
110	M110	N162	N163			RIGID	None	None	RIGID	Typical
111	M111	N164	N165			RIGID	None	None	RIGID	Typical
112	M112	N166	N167			RIGID	None	None	RIGID	Typical
113	M113	N168	N169			RIGID	None	None	RIGID	Typical
114	M114	N170	N171			RIGID	None	None	RIGID	Typical
115	M115	N172	N173			RIGID	None	None	RIGID	Typical
116	M116	N174	N175			RIGID	None	None	RIGID	Typical
117	M117	N176	N177			RIGID	None	None	RIGID	Typical
118	M118	N178	N179			RIGID	None	None	RIGID	Typical
119	M119	N180	N181			RIGID	None	None	RIGID	Typical
120	M120	N182	N183			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
121	M121	N146	N145		90	Support Corners	Column	Single Angle	A36 Gr.36	Typical
122	M122	N149	N150		180	Support Corners	Column	Single Angle	A36 Gr.36	Typical
123	M123	N141A	N142A		180	Support Corners	Column	Single Angle	A36 Gr.36	Typical
124	M124	N184	N185			RIGID	None	None	RIGID	Typical
125	MP5B	N186	N187			Dual Antenna Mount Pipe	Column	Pipe	A53 Gr.B	Typical
126	M126	N188	N189			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M25						Yes				None
26	M26						Yes	Default			None
27	M27						Yes	Default			None
28	M28						Yes	Default			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31	OOOOOX	OOOOOX				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33						Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38		BenPIN				Yes	** NA **			None
39	M39						Yes				None
40	M40		BenPIN				Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43A		BenPIN				Yes	** NA **			None
44	M44						Yes				None
45	M45		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes				None
50	M50A						Yes	Default			None
51	M51C						Yes	Default			None
52	M52A						Yes	Default			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55	OOOOOX	OOOOOX				Yes	Default			None
56	M56	OOOOOX	OOOOOX				Yes	Default			None
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76A						Yes	** NA **			None
77	MP1A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP2A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	MP3A						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	MP4A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	MP1C						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP2C						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	MP3C						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	MP1B						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	MP2B						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP3B						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	M100		OOOOOO				Yes	** NA **			None
101	M101		OOOOOO				Yes	** NA **			None
102	M102		OOOOOO				Yes	** NA **			None
103	M103		OOOOOO				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
104	M104		OOOOOO				Yes	** NA **			None
105	M105		OOOOOO				Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123						Yes	** NA **			None
124	M124						Yes	** NA **			None
125	MP5B						Yes	** NA **			None
126	M126						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-23	.5
2	MP1A	My	-.007	.5
3	MP1A	Mz	.02	.5
4	MP1A	Y	-23	5.5
5	MP1A	My	-.007	5.5
6	MP1A	Mz	.02	5.5
7	MP1C	Y	-23	.5
8	MP1C	My	.02	.5
9	MP1C	Mz	.007	.5
10	MP1C	Y	-23	5.5
11	MP1C	My	.02	5.5
12	MP1C	Mz	.007	5.5
13	MP1A	Y	-23	.5
14	MP1A	My	-.016	.5
15	MP1A	Mz	-.014	.5
16	MP1A	Y	-23	5.5
17	MP1A	My	-.016	5.5
18	MP1A	Mz	-.014	5.5
19	MP1C	Y	-23	.5
20	MP1C	My	-.014	.5
21	MP1C	Mz	.016	.5
22	MP1C	Y	-23	5.5
23	MP1C	My	-.014	5.5
24	MP1C	Mz	.016	5.5
25	MP5B	Y	-23	.5
26	MP5B	My	.007	.5
27	MP5B	Mz	-.02	.5
28	MP5B	Y	-23	5.5
29	MP5B	My	.007	5.5

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP5B	Mz	-.02	5.5
31	MP5B	Y	-23	.5
32	MP5B	My	.016	.5
33	MP5B	Mz	.014	.5
34	MP5B	Y	-23	5.5
35	MP5B	My	.016	5.5
36	MP5B	Mz	.014	5.5
37	MP3A	Y	-43.55	2
38	MP3A	My	-.021	2
39	MP3A	Mz	.006	2
40	MP3A	Y	-43.55	4
41	MP3A	My	-.021	4
42	MP3A	Mz	.006	4
43	MP3B	Y	-43.55	2
44	MP3B	My	.021	2
45	MP3B	Mz	-.006	2
46	MP3B	Y	-43.55	4
47	MP3B	My	.021	4
48	MP3B	Mz	-.006	4
49	MP3C	Y	-43.55	2
50	MP3C	My	.006	2
51	MP3C	Mz	.021	2
52	MP3C	Y	-43.55	4
53	MP3C	My	.006	4
54	MP3C	Mz	.021	4
55	MP2A	Y	-74.7	2.5
56	MP2A	My	.036	2.5
57	MP2A	Mz	-.01	2.5
58	MP2C	Y	-74.7	2.5
59	MP2C	My	-.01	2.5
60	MP2C	Mz	-.036	2.5
61	MP4B	Y	-74.7	2.5
62	MP4B	My	-.036	2.5
63	MP4B	Mz	.01	2.5
64	MP1A	Y	-70.3	2.5
65	MP1A	My	.034	2.5
66	MP1A	Mz	-.009	2.5
67	MP1C	Y	-70.3	2.5
68	MP1C	My	-.009	2.5
69	MP1C	Mz	-.034	2.5
70	MP2B	Y	-70.3	2.5
71	MP2B	My	-.034	2.5
72	MP2B	Mz	.009	2.5
73	MP1B	Y	-20.35	.5
74	MP1B	My	.01	.5
75	MP1B	Mz	-.003	.5
76	MP1B	Y	-20.35	5.5
77	MP1B	My	.01	5.5
78	MP1B	Mz	-.003	5.5
79	MP4A	Y	-20.35	.5
80	MP4A	My	-.01	.5
81	MP4A	Mz	.003	.5
82	MP4A	Y	-20.35	5.5
83	MP4A	My	-.01	5.5
84	MP4A	Mz	.003	5.5
85	MP4C	Y	-20.35	.5
86	MP4C	My	.003	.5

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4C	Mz	.01	.5
88	MP4C	Y	-20.35	5.5
89	MP4C	My	.003	5.5
90	MP4C	Mz	.01	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-80.172	.5
2	MP1A	My	-.023	.5
3	MP1A	Mz	.068	.5
4	MP1A	Y	-80.172	5.5
5	MP1A	My	-.023	5.5
6	MP1A	Mz	.068	5.5
7	MP1C	Y	-80.172	.5
8	MP1C	My	.068	.5
9	MP1C	Mz	.023	.5
10	MP1C	Y	-80.172	5.5
11	MP1C	My	.068	5.5
12	MP1C	Mz	.023	5.5
13	MP1A	Y	-80.172	.5
14	MP1A	My	-.054	.5
15	MP1A	Mz	-.048	.5
16	MP1A	Y	-80.172	5.5
17	MP1A	My	-.054	5.5
18	MP1A	Mz	-.048	5.5
19	MP1C	Y	-80.172	.5
20	MP1C	My	-.048	.5
21	MP1C	Mz	.054	.5
22	MP1C	Y	-80.172	5.5
23	MP1C	My	-.048	5.5
24	MP1C	Mz	.054	5.5
25	MP5B	Y	-80.172	.5
26	MP5B	My	.023	.5
27	MP5B	Mz	-.068	.5
28	MP5B	Y	-80.172	5.5
29	MP5B	My	.023	5.5
30	MP5B	Mz	-.068	5.5
31	MP5B	Y	-80.172	.5
32	MP5B	My	.054	.5
33	MP5B	Mz	.048	.5
34	MP5B	Y	-80.172	5.5
35	MP5B	My	.054	5.5
36	MP5B	Mz	.048	5.5
37	MP3A	Y	-34.595	2
38	MP3A	My	-.017	2
39	MP3A	Mz	.004	2
40	MP3A	Y	-34.595	4
41	MP3A	My	-.017	4
42	MP3A	Mz	.004	4
43	MP3B	Y	-34.595	2
44	MP3B	My	.017	2
45	MP3B	Mz	-.004	2
46	MP3B	Y	-34.595	4
47	MP3B	My	.017	4
48	MP3B	Mz	-.004	4
49	MP3C	Y	-34.595	2

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	My	.004	2
51	MP3C	Mz	.017	2
52	MP3C	Y	-34.595	4
53	MP3C	My	.004	4
54	MP3C	Mz	.017	4
55	MP2A	Y	-43.598	2.5
56	MP2A	My	.021	2.5
57	MP2A	Mz	-.006	2.5
58	MP2C	Y	-43.598	2.5
59	MP2C	My	-.006	2.5
60	MP2C	Mz	-.021	2.5
61	MP4B	Y	-43.598	2.5
62	MP4B	My	-.021	2.5
63	MP4B	Mz	.006	2.5
64	MP1A	Y	-41.515	2.5
65	MP1A	My	.02	2.5
66	MP1A	Mz	-.005	2.5
67	MP1C	Y	-41.515	2.5
68	MP1C	My	-.005	2.5
69	MP1C	Mz	-.02	2.5
70	MP2B	Y	-41.515	2.5
71	MP2B	My	-.02	2.5
72	MP2B	Mz	.005	2.5
73	MP1B	Y	-59.436	.5
74	MP1B	My	.029	.5
75	MP1B	Mz	-.008	.5
76	MP1B	Y	-59.436	5.5
77	MP1B	My	.029	5.5
78	MP1B	Mz	-.008	5.5
79	MP4A	Y	-59.436	.5
80	MP4A	My	-.029	.5
81	MP4A	Mz	.008	.5
82	MP4A	Y	-59.436	5.5
83	MP4A	My	-.029	5.5
84	MP4A	Mz	.008	5.5
85	MP4C	Y	-59.436	.5
86	MP4C	My	.008	.5
87	MP4C	Mz	.029	.5
88	MP4C	Y	-59.436	5.5
89	MP4C	My	.008	5.5
90	MP4C	Mz	.029	5.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-199.341	.5
3	MP1A	Mx	-.17	.5
4	MP1A	X	0	5.5
5	MP1A	Z	-199.341	5.5
6	MP1A	Mx	-.17	5.5
7	MP1C	X	0	.5
8	MP1C	Z	-154.279	.5
9	MP1C	Mx	-.045	.5
10	MP1C	X	0	5.5
11	MP1C	Z	-154.279	5.5
12	MP1C	Mx	-.045	5.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	X	0	.5
14	MP1A	Z	-199.341	.5
15	MP1A	Mx	.119	.5
16	MP1A	X	0	5.5
17	MP1A	Z	-199.341	5.5
18	MP1A	Mx	.119	5.5
19	MP1C	X	0	.5
20	MP1C	Z	-154.279	.5
21	MP1C	Mx	-.104	.5
22	MP1C	X	0	5.5
23	MP1C	Z	-154.279	5.5
24	MP1C	Mx	-.104	5.5
25	MP5B	X	0	.5
26	MP5B	Z	-199.341	.5
27	MP5B	Mx	.17	.5
28	MP5B	X	0	5.5
29	MP5B	Z	-199.341	5.5
30	MP5B	Mx	.17	5.5
31	MP5B	X	0	.5
32	MP5B	Z	-199.341	.5
33	MP5B	Mx	-.119	.5
34	MP5B	X	0	5.5
35	MP5B	Z	-199.341	5.5
36	MP5B	Mx	-.119	5.5
37	MP3A	X	0	2
38	MP3A	Z	-92.647	2
39	MP3A	Mx	-.012	2
40	MP3A	X	0	4
41	MP3A	Z	-92.647	4
42	MP3A	Mx	-.012	4
43	MP3B	X	0	2
44	MP3B	Z	-92.647	2
45	MP3B	Mx	.012	2
46	MP3B	X	0	4
47	MP3B	Z	-92.647	4
48	MP3B	Mx	.012	4
49	MP3C	X	0	2
50	MP3C	Z	-41.749	2
51	MP3C	Mx	-.02	2
52	MP3C	X	0	4
53	MP3C	Z	-41.749	4
54	MP3C	Mx	-.02	4
55	MP2A	X	0	2.5
56	MP2A	Z	-75.149	2.5
57	MP2A	Mx	.01	2.5
58	MP2C	X	0	2.5
59	MP2C	Z	-53.081	2.5
60	MP2C	Mx	.026	2.5
61	MP4B	X	0	2.5
62	MP4B	Z	-75.149	2.5
63	MP4B	Mx	-.01	2.5
64	MP1A	X	0	2.5
65	MP1A	Z	-74.84	2.5
66	MP1A	Mx	.01	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-48.767	2.5
69	MP1C	Mx	.024	2.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	0	2.5
71	MP2B	Z	-74.84	2.5
72	MP2B	Mx	-.01	2.5
73	MP1B	X	0	.5
74	MP1B	Z	-171.148	.5
75	MP1B	Mx	.022	.5
76	MP1B	X	0	5.5
77	MP1B	Z	-171.148	5.5
78	MP1B	Mx	.022	5.5
79	MP4A	X	0	.5
80	MP4A	Z	-171.148	.5
81	MP4A	Mx	-.022	.5
82	MP4A	X	0	5.5
83	MP4A	Z	-171.148	5.5
84	MP4A	Mx	-.022	5.5
85	MP4C	X	0	.5
86	MP4C	Z	-112.295	.5
87	MP4C	Mx	-.054	.5
88	MP4C	X	0	5.5
89	MP4C	Z	-112.295	5.5
90	MP4C	Mx	-.054	5.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	88.405	.5
2	MP1A	Z	-153.122	.5
3	MP1A	Mx	-.156	.5
4	MP1A	X	88.405	5.5
5	MP1A	Z	-153.122	5.5
6	MP1A	Mx	-.156	5.5
7	MP1C	X	88.405	.5
8	MP1C	Z	-153.122	.5
9	MP1C	Mx	.031	.5
10	MP1C	X	88.405	5.5
11	MP1C	Z	-153.122	5.5
12	MP1C	Mx	.031	5.5
13	MP1A	X	88.405	.5
14	MP1A	Z	-153.122	.5
15	MP1A	Mx	.031	.5
16	MP1A	X	88.405	5.5
17	MP1A	Z	-153.122	5.5
18	MP1A	Mx	.031	5.5
19	MP1C	X	88.405	.5
20	MP1C	Z	-153.122	.5
21	MP1C	Mx	-.156	.5
22	MP1C	X	88.405	5.5
23	MP1C	Z	-153.122	5.5
24	MP1C	Mx	-.156	5.5
25	MP5B	X	88.405	.5
26	MP5B	Z	-153.122	.5
27	MP5B	Mx	.156	.5
28	MP5B	X	88.405	5.5
29	MP5B	Z	-153.122	5.5
30	MP5B	Mx	.156	5.5
31	MP5B	X	88.405	.5
32	MP5B	Z	-153.122	.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP5B	Mx	-.031	.5
34	MP5B	X	88.405	5.5
35	MP5B	Z	-153.122	5.5
36	MP5B	Mx	-.031	5.5
37	MP3A	X	33.599	2
38	MP3A	Z	-58.195	2
39	MP3A	Mx	-.024	2
40	MP3A	X	33.599	4
41	MP3A	Z	-58.195	4
42	MP3A	Mx	-.024	4
43	MP3B	X	33.599	2
44	MP3B	Z	-58.195	2
45	MP3B	Mx	.024	2
46	MP3B	X	33.599	4
47	MP3B	Z	-58.195	4
48	MP3B	Mx	.024	4
49	MP3C	X	33.599	2
50	MP3C	Z	-58.195	2
51	MP3C	Mx	-.024	2
52	MP3C	X	33.599	4
53	MP3C	Z	-58.195	4
54	MP3C	Mx	-.024	4
55	MP2A	X	32.058	2.5
56	MP2A	Z	-55.526	2.5
57	MP2A	Mx	.023	2.5
58	MP2C	X	32.058	2.5
59	MP2C	Z	-55.526	2.5
60	MP2C	Mx	.023	2.5
61	MP4B	X	32.058	2.5
62	MP4B	Z	-55.526	2.5
63	MP4B	Mx	-.023	2.5
64	MP1A	X	30.902	2.5
65	MP1A	Z	-53.523	2.5
66	MP1A	Mx	.022	2.5
67	MP1C	X	30.902	2.5
68	MP1C	Z	-53.523	2.5
69	MP1C	Mx	.022	2.5
70	MP2B	X	30.902	2.5
71	MP2B	Z	-53.523	2.5
72	MP2B	Mx	-.022	2.5
73	MP1B	X	70.861	.5
74	MP1B	Z	-122.735	.5
75	MP1B	Mx	.05	.5
76	MP1B	X	70.861	5.5
77	MP1B	Z	-122.735	5.5
78	MP1B	Mx	.05	5.5
79	MP4A	X	70.861	.5
80	MP4A	Z	-122.735	.5
81	MP4A	Mx	-.05	.5
82	MP4A	X	70.861	5.5
83	MP4A	Z	-122.735	5.5
84	MP4A	Mx	-.05	5.5
85	MP4C	X	70.861	.5
86	MP4C	Z	-122.735	.5
87	MP4C	Mx	-.05	.5
88	MP4C	X	70.861	5.5
89	MP4C	Z	-122.735	5.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	-.05	5.5

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	133.61	.5
2	MP1A	Z	-77.14	.5
3	MP1A	Mx	-.104	.5
4	MP1A	X	133.61	5.5
5	MP1A	Z	-77.14	5.5
6	MP1A	Mx	-.104	5.5
7	MP1C	X	172.634	.5
8	MP1C	Z	-99.67	.5
9	MP1C	Mx	.119	.5
10	MP1C	X	172.634	5.5
11	MP1C	Z	-99.67	5.5
12	MP1C	Mx	.119	5.5
13	MP1A	X	133.61	.5
14	MP1A	Z	-77.14	.5
15	MP1A	Mx	-.045	.5
16	MP1A	X	133.61	5.5
17	MP1A	Z	-77.14	5.5
18	MP1A	Mx	-.045	5.5
19	MP1C	X	172.634	.5
20	MP1C	Z	-99.67	.5
21	MP1C	Mx	-.17	.5
22	MP1C	X	172.634	5.5
23	MP1C	Z	-99.67	5.5
24	MP1C	Mx	-.17	5.5
25	MP5B	X	133.61	.5
26	MP5B	Z	-77.14	.5
27	MP5B	Mx	.104	.5
28	MP5B	X	133.61	5.5
29	MP5B	Z	-77.14	5.5
30	MP5B	Mx	.104	5.5
31	MP5B	X	133.61	.5
32	MP5B	Z	-77.14	.5
33	MP5B	Mx	.045	.5
34	MP5B	X	133.61	5.5
35	MP5B	Z	-77.14	5.5
36	MP5B	Mx	.045	5.5
37	MP3A	X	36.156	2
38	MP3A	Z	-20.875	2
39	MP3A	Mx	-.02	2
40	MP3A	X	36.156	4
41	MP3A	Z	-20.875	4
42	MP3A	Mx	-.02	4
43	MP3B	X	36.156	2
44	MP3B	Z	-20.875	2
45	MP3B	Mx	.02	2
46	MP3B	X	36.156	4
47	MP3B	Z	-20.875	4
48	MP3B	Mx	.02	4
49	MP3C	X	80.235	2
50	MP3C	Z	-46.324	2
51	MP3C	Mx	-.012	2
52	MP3C	X	80.235	4

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-46.324	4
54	MP3C	Mx	-.012	4
55	MP2A	X	45.97	2.5
56	MP2A	Z	-26.541	2.5
57	MP2A	Mx	.026	2.5
58	MP2C	X	65.081	2.5
59	MP2C	Z	-37.575	2.5
60	MP2C	Mx	.01	2.5
61	MP4B	X	45.97	2.5
62	MP4B	Z	-26.541	2.5
63	MP4B	Mx	-.026	2.5
64	MP1A	X	42.234	2.5
65	MP1A	Z	-24.384	2.5
66	MP1A	Mx	.024	2.5
67	MP1C	X	64.813	2.5
68	MP1C	Z	-37.42	2.5
69	MP1C	Mx	.01	2.5
70	MP2B	X	42.234	2.5
71	MP2B	Z	-24.384	2.5
72	MP2B	Mx	-.024	2.5
73	MP1B	X	97.25	.5
74	MP1B	Z	-56.147	.5
75	MP1B	Mx	.054	.5
76	MP1B	X	97.25	5.5
77	MP1B	Z	-56.147	5.5
78	MP1B	Mx	.054	5.5
79	MP4A	X	97.25	.5
80	MP4A	Z	-56.147	.5
81	MP4A	Mx	-.054	.5
82	MP4A	X	97.25	5.5
83	MP4A	Z	-56.147	5.5
84	MP4A	Mx	-.054	5.5
85	MP4C	X	148.219	.5
86	MP4C	Z	-85.574	.5
87	MP4C	Mx	-.022	.5
88	MP4C	X	148.219	5.5
89	MP4C	Z	-85.574	5.5
90	MP4C	Mx	-.022	5.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	154.279	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.045	.5
4	MP1A	X	154.279	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	-.045	5.5
7	MP1C	X	199.341	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	.17	.5
10	MP1C	X	199.341	5.5
11	MP1C	Z	0	5.5
12	MP1C	Mx	.17	5.5
13	MP1A	X	154.279	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	-.104	.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1A	X	154.279	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	-.104	5.5
19	MP1C	X	199.341	.5
20	MP1C	Z	0	.5
21	MP1C	Mx	-.119	.5
22	MP1C	X	199.341	5.5
23	MP1C	Z	0	5.5
24	MP1C	Mx	-.119	5.5
25	MP5B	X	154.279	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	.045	.5
28	MP5B	X	154.279	5.5
29	MP5B	Z	0	5.5
30	MP5B	Mx	.045	5.5
31	MP5B	X	154.279	.5
32	MP5B	Z	0	.5
33	MP5B	Mx	.104	.5
34	MP5B	X	154.279	5.5
35	MP5B	Z	0	5.5
36	MP5B	Mx	.104	5.5
37	MP3A	X	41.749	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.02	2
40	MP3A	X	41.749	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.02	4
43	MP3B	X	41.749	2
44	MP3B	Z	0	2
45	MP3B	Mx	.02	2
46	MP3B	X	41.749	4
47	MP3B	Z	0	4
48	MP3B	Mx	.02	4
49	MP3C	X	92.647	2
50	MP3C	Z	0	2
51	MP3C	Mx	.012	2
52	MP3C	X	92.647	4
53	MP3C	Z	0	4
54	MP3C	Mx	.012	4
55	MP2A	X	53.081	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	.026	2.5
58	MP2C	X	75.149	2.5
59	MP2C	Z	0	2.5
60	MP2C	Mx	-.01	2.5
61	MP4B	X	53.081	2.5
62	MP4B	Z	0	2.5
63	MP4B	Mx	-.026	2.5
64	MP1A	X	48.767	2.5
65	MP1A	Z	0	2.5
66	MP1A	Mx	.024	2.5
67	MP1C	X	74.84	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.01	2.5
70	MP2B	X	48.767	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.024	2.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1B	X	112.295	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	.054	.5
76	MP1B	X	112.295	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	.054	5.5
79	MP4A	X	112.295	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	-.054	.5
82	MP4A	X	112.295	5.5
83	MP4A	Z	0	5.5
84	MP4A	Mx	-.054	5.5
85	MP4C	X	171.148	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	.022	.5
88	MP4C	X	171.148	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	.022	5.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	153.122	.5
2	MP1A	Z	88.405	.5
3	MP1A	Mx	.031	.5
4	MP1A	X	153.122	5.5
5	MP1A	Z	88.405	5.5
6	MP1A	Mx	.031	5.5
7	MP1C	X	153.122	.5
8	MP1C	Z	88.405	.5
9	MP1C	Mx	.156	.5
10	MP1C	X	153.122	5.5
11	MP1C	Z	88.405	5.5
12	MP1C	Mx	.156	5.5
13	MP1A	X	153.122	.5
14	MP1A	Z	88.405	.5
15	MP1A	Mx	-.156	.5
16	MP1A	X	153.122	5.5
17	MP1A	Z	88.405	5.5
18	MP1A	Mx	-.156	5.5
19	MP1C	X	153.122	.5
20	MP1C	Z	88.405	.5
21	MP1C	Mx	-.031	.5
22	MP1C	X	153.122	5.5
23	MP1C	Z	88.405	5.5
24	MP1C	Mx	-.031	5.5
25	MP5B	X	153.122	.5
26	MP5B	Z	88.405	.5
27	MP5B	Mx	-.031	.5
28	MP5B	X	153.122	5.5
29	MP5B	Z	88.405	5.5
30	MP5B	Mx	-.031	5.5
31	MP5B	X	153.122	.5
32	MP5B	Z	88.405	.5
33	MP5B	Mx	.156	.5
34	MP5B	X	153.122	5.5
35	MP5B	Z	88.405	5.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP5B	Mx	.156	5.5
37	MP3A	X	58.195	2
38	MP3A	Z	33.599	2
39	MP3A	Mx	-.024	2
40	MP3A	X	58.195	4
41	MP3A	Z	33.599	4
42	MP3A	Mx	-.024	4
43	MP3B	X	58.195	2
44	MP3B	Z	33.599	2
45	MP3B	Mx	.024	2
46	MP3B	X	58.195	4
47	MP3B	Z	33.599	4
48	MP3B	Mx	.024	4
49	MP3C	X	58.195	2
50	MP3C	Z	33.599	2
51	MP3C	Mx	.024	2
52	MP3C	X	58.195	4
53	MP3C	Z	33.599	4
54	MP3C	Mx	.024	4
55	MP2A	X	55.526	2.5
56	MP2A	Z	32.058	2.5
57	MP2A	Mx	.023	2.5
58	MP2C	X	55.526	2.5
59	MP2C	Z	32.058	2.5
60	MP2C	Mx	-.023	2.5
61	MP4B	X	55.526	2.5
62	MP4B	Z	32.058	2.5
63	MP4B	Mx	-.023	2.5
64	MP1A	X	53.523	2.5
65	MP1A	Z	30.902	2.5
66	MP1A	Mx	.022	2.5
67	MP1C	X	53.523	2.5
68	MP1C	Z	30.902	2.5
69	MP1C	Mx	-.022	2.5
70	MP2B	X	53.523	2.5
71	MP2B	Z	30.902	2.5
72	MP2B	Mx	-.022	2.5
73	MP1B	X	122.735	.5
74	MP1B	Z	70.861	.5
75	MP1B	Mx	.05	.5
76	MP1B	X	122.735	5.5
77	MP1B	Z	70.861	5.5
78	MP1B	Mx	.05	5.5
79	MP4A	X	122.735	.5
80	MP4A	Z	70.861	.5
81	MP4A	Mx	-.05	.5
82	MP4A	X	122.735	5.5
83	MP4A	Z	70.861	5.5
84	MP4A	Mx	-.05	5.5
85	MP4C	X	122.735	.5
86	MP4C	Z	70.861	.5
87	MP4C	Mx	.05	.5
88	MP4C	X	122.735	5.5
89	MP4C	Z	70.861	5.5
90	MP4C	Mx	.05	5.5

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	99.67	.5
2	MP1A	Z	172.634	.5
3	MP1A	Mx	.119	.5
4	MP1A	X	99.67	5.5
5	MP1A	Z	172.634	5.5
6	MP1A	Mx	.119	5.5
7	MP1C	X	77.14	.5
8	MP1C	Z	133.61	.5
9	MP1C	Mx	.104	.5
10	MP1C	X	77.14	5.5
11	MP1C	Z	133.61	5.5
12	MP1C	Mx	.104	5.5
13	MP1A	X	99.67	.5
14	MP1A	Z	172.634	.5
15	MP1A	Mx	-.17	.5
16	MP1A	X	99.67	5.5
17	MP1A	Z	172.634	5.5
18	MP1A	Mx	-.17	5.5
19	MP1C	X	77.14	.5
20	MP1C	Z	133.61	.5
21	MP1C	Mx	.045	.5
22	MP1C	X	77.14	5.5
23	MP1C	Z	133.61	5.5
24	MP1C	Mx	.045	5.5
25	MP5B	X	99.67	.5
26	MP5B	Z	172.634	.5
27	MP5B	Mx	-.119	.5
28	MP5B	X	99.67	5.5
29	MP5B	Z	172.634	5.5
30	MP5B	Mx	-.119	5.5
31	MP5B	X	99.67	.5
32	MP5B	Z	172.634	.5
33	MP5B	Mx	.17	.5
34	MP5B	X	99.67	5.5
35	MP5B	Z	172.634	5.5
36	MP5B	Mx	.17	5.5
37	MP3A	X	46.324	2
38	MP3A	Z	80.235	2
39	MP3A	Mx	-.012	2
40	MP3A	X	46.324	4
41	MP3A	Z	80.235	4
42	MP3A	Mx	-.012	4
43	MP3B	X	46.324	2
44	MP3B	Z	80.235	2
45	MP3B	Mx	.012	2
46	MP3B	X	46.324	4
47	MP3B	Z	80.235	4
48	MP3B	Mx	.012	4
49	MP3C	X	20.875	2
50	MP3C	Z	36.156	2
51	MP3C	Mx	.02	2
52	MP3C	X	20.875	4
53	MP3C	Z	36.156	4
54	MP3C	Mx	.02	4
55	MP2A	X	37.575	2.5
56	MP2A	Z	65.081	2.5
57	MP2A	Mx	.01	2.5

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	26.541	2.5
59	MP2C	Z	45.97	2.5
60	MP2C	Mx	-.026	2.5
61	MP4B	X	37.575	2.5
62	MP4B	Z	65.081	2.5
63	MP4B	Mx	-.01	2.5
64	MP1A	X	37.42	2.5
65	MP1A	Z	64.813	2.5
66	MP1A	Mx	.01	2.5
67	MP1C	X	24.384	2.5
68	MP1C	Z	42.234	2.5
69	MP1C	Mx	-.024	2.5
70	MP2B	X	37.42	2.5
71	MP2B	Z	64.813	2.5
72	MP2B	Mx	-.01	2.5
73	MP1B	X	85.574	.5
74	MP1B	Z	148.219	.5
75	MP1B	Mx	.022	.5
76	MP1B	X	85.574	5.5
77	MP1B	Z	148.219	5.5
78	MP1B	Mx	.022	5.5
79	MP4A	X	85.574	.5
80	MP4A	Z	148.219	.5
81	MP4A	Mx	-.022	.5
82	MP4A	X	85.574	5.5
83	MP4A	Z	148.219	5.5
84	MP4A	Mx	-.022	5.5
85	MP4C	X	56.147	.5
86	MP4C	Z	97.25	.5
87	MP4C	Mx	.054	.5
88	MP4C	X	56.147	5.5
89	MP4C	Z	97.25	5.5
90	MP4C	Mx	.054	5.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	199.341	.5
3	MP1A	Mx	.17	.5
4	MP1A	X	0	5.5
5	MP1A	Z	199.341	5.5
6	MP1A	Mx	.17	5.5
7	MP1C	X	0	.5
8	MP1C	Z	154.279	.5
9	MP1C	Mx	.045	.5
10	MP1C	X	0	5.5
11	MP1C	Z	154.279	5.5
12	MP1C	Mx	.045	5.5
13	MP1A	X	0	.5
14	MP1A	Z	199.341	.5
15	MP1A	Mx	-.119	.5
16	MP1A	X	0	5.5
17	MP1A	Z	199.341	5.5
18	MP1A	Mx	-.119	5.5
19	MP1C	X	0	.5
20	MP1C	Z	154.279	.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1C	Mx	.104	.5
22	MP1C	X	0	5.5
23	MP1C	Z	154.279	5.5
24	MP1C	Mx	.104	5.5
25	MP5B	X	0	.5
26	MP5B	Z	199.341	.5
27	MP5B	Mx	-.17	.5
28	MP5B	X	0	5.5
29	MP5B	Z	199.341	5.5
30	MP5B	Mx	-.17	5.5
31	MP5B	X	0	.5
32	MP5B	Z	199.341	.5
33	MP5B	Mx	.119	.5
34	MP5B	X	0	5.5
35	MP5B	Z	199.341	5.5
36	MP5B	Mx	.119	5.5
37	MP3A	X	0	2
38	MP3A	Z	92.647	2
39	MP3A	Mx	.012	2
40	MP3A	X	0	4
41	MP3A	Z	92.647	4
42	MP3A	Mx	.012	4
43	MP3B	X	0	2
44	MP3B	Z	92.647	2
45	MP3B	Mx	-.012	2
46	MP3B	X	0	4
47	MP3B	Z	92.647	4
48	MP3B	Mx	-.012	4
49	MP3C	X	0	2
50	MP3C	Z	41.749	2
51	MP3C	Mx	.02	2
52	MP3C	X	0	4
53	MP3C	Z	41.749	4
54	MP3C	Mx	.02	4
55	MP2A	X	0	2.5
56	MP2A	Z	75.149	2.5
57	MP2A	Mx	-.01	2.5
58	MP2C	X	0	2.5
59	MP2C	Z	53.081	2.5
60	MP2C	Mx	-.026	2.5
61	MP4B	X	0	2.5
62	MP4B	Z	75.149	2.5
63	MP4B	Mx	.01	2.5
64	MP1A	X	0	2.5
65	MP1A	Z	74.84	2.5
66	MP1A	Mx	-.01	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	48.767	2.5
69	MP1C	Mx	-.024	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	74.84	2.5
72	MP2B	Mx	.01	2.5
73	MP1B	X	0	.5
74	MP1B	Z	171.148	.5
75	MP1B	Mx	-.022	.5
76	MP1B	X	0	5.5
77	MP1B	Z	171.148	5.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1B	Mx	-.022	5.5
79	MP4A	X	0	.5
80	MP4A	Z	171.148	.5
81	MP4A	Mx	.022	.5
82	MP4A	X	0	5.5
83	MP4A	Z	171.148	5.5
84	MP4A	Mx	.022	5.5
85	MP4C	X	0	.5
86	MP4C	Z	112.295	.5
87	MP4C	Mx	.054	.5
88	MP4C	X	0	5.5
89	MP4C	Z	112.295	5.5
90	MP4C	Mx	.054	5.5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-88.405	.5
2	MP1A	Z	153.122	.5
3	MP1A	Mx	.156	.5
4	MP1A	X	-88.405	5.5
5	MP1A	Z	153.122	5.5
6	MP1A	Mx	.156	5.5
7	MP1C	X	-88.405	.5
8	MP1C	Z	153.122	.5
9	MP1C	Mx	-.031	.5
10	MP1C	X	-88.405	5.5
11	MP1C	Z	153.122	5.5
12	MP1C	Mx	-.031	5.5
13	MP1A	X	-88.405	.5
14	MP1A	Z	153.122	.5
15	MP1A	Mx	-.031	.5
16	MP1A	X	-88.405	5.5
17	MP1A	Z	153.122	5.5
18	MP1A	Mx	-.031	5.5
19	MP1C	X	-88.405	.5
20	MP1C	Z	153.122	.5
21	MP1C	Mx	.156	.5
22	MP1C	X	-88.405	5.5
23	MP1C	Z	153.122	5.5
24	MP1C	Mx	.156	5.5
25	MP5B	X	-88.405	.5
26	MP5B	Z	153.122	.5
27	MP5B	Mx	-.156	.5
28	MP5B	X	-88.405	5.5
29	MP5B	Z	153.122	5.5
30	MP5B	Mx	-.156	5.5
31	MP5B	X	-88.405	.5
32	MP5B	Z	153.122	.5
33	MP5B	Mx	.031	.5
34	MP5B	X	-88.405	5.5
35	MP5B	Z	153.122	5.5
36	MP5B	Mx	.031	5.5
37	MP3A	X	-33.599	2
38	MP3A	Z	58.195	2
39	MP3A	Mx	.024	2
40	MP3A	X	-33.599	4

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	58.195	4
42	MP3A	Mx	.024	4
43	MP3B	X	-33.599	2
44	MP3B	Z	58.195	2
45	MP3B	Mx	-.024	2
46	MP3B	X	-33.599	4
47	MP3B	Z	58.195	4
48	MP3B	Mx	-.024	4
49	MP3C	X	-33.599	2
50	MP3C	Z	58.195	2
51	MP3C	Mx	.024	2
52	MP3C	X	-33.599	4
53	MP3C	Z	58.195	4
54	MP3C	Mx	.024	4
55	MP2A	X	-32.058	2.5
56	MP2A	Z	55.526	2.5
57	MP2A	Mx	-.023	2.5
58	MP2C	X	-32.058	2.5
59	MP2C	Z	55.526	2.5
60	MP2C	Mx	-.023	2.5
61	MP4B	X	-32.058	2.5
62	MP4B	Z	55.526	2.5
63	MP4B	Mx	.023	2.5
64	MP1A	X	-30.902	2.5
65	MP1A	Z	53.523	2.5
66	MP1A	Mx	-.022	2.5
67	MP1C	X	-30.902	2.5
68	MP1C	Z	53.523	2.5
69	MP1C	Mx	-.022	2.5
70	MP2B	X	-30.902	2.5
71	MP2B	Z	53.523	2.5
72	MP2B	Mx	.022	2.5
73	MP1B	X	-70.861	.5
74	MP1B	Z	122.735	.5
75	MP1B	Mx	-.05	.5
76	MP1B	X	-70.861	5.5
77	MP1B	Z	122.735	5.5
78	MP1B	Mx	-.05	5.5
79	MP4A	X	-70.861	.5
80	MP4A	Z	122.735	.5
81	MP4A	Mx	.05	.5
82	MP4A	X	-70.861	5.5
83	MP4A	Z	122.735	5.5
84	MP4A	Mx	.05	5.5
85	MP4C	X	-70.861	.5
86	MP4C	Z	122.735	.5
87	MP4C	Mx	.05	.5
88	MP4C	X	-70.861	5.5
89	MP4C	Z	122.735	5.5
90	MP4C	Mx	.05	5.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-133.61	.5
2	MP1A	Z	77.14	.5
3	MP1A	Mx	.104	.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-133.61	5.5
5	MP1A	Z	77.14	5.5
6	MP1A	Mx	.104	5.5
7	MP1C	X	-172.634	.5
8	MP1C	Z	99.67	.5
9	MP1C	Mx	-.119	.5
10	MP1C	X	-172.634	5.5
11	MP1C	Z	99.67	5.5
12	MP1C	Mx	-.119	5.5
13	MP1A	X	-133.61	.5
14	MP1A	Z	77.14	.5
15	MP1A	Mx	.045	.5
16	MP1A	X	-133.61	5.5
17	MP1A	Z	77.14	5.5
18	MP1A	Mx	.045	5.5
19	MP1C	X	-172.634	.5
20	MP1C	Z	99.67	.5
21	MP1C	Mx	.17	.5
22	MP1C	X	-172.634	5.5
23	MP1C	Z	99.67	5.5
24	MP1C	Mx	.17	5.5
25	MP5B	X	-133.61	.5
26	MP5B	Z	77.14	.5
27	MP5B	Mx	-.104	.5
28	MP5B	X	-133.61	5.5
29	MP5B	Z	77.14	5.5
30	MP5B	Mx	-.104	5.5
31	MP5B	X	-133.61	.5
32	MP5B	Z	77.14	.5
33	MP5B	Mx	-.045	.5
34	MP5B	X	-133.61	5.5
35	MP5B	Z	77.14	5.5
36	MP5B	Mx	-.045	5.5
37	MP3A	X	-36.156	2
38	MP3A	Z	20.875	2
39	MP3A	Mx	.02	2
40	MP3A	X	-36.156	4
41	MP3A	Z	20.875	4
42	MP3A	Mx	.02	4
43	MP3B	X	-36.156	2
44	MP3B	Z	20.875	2
45	MP3B	Mx	-.02	2
46	MP3B	X	-36.156	4
47	MP3B	Z	20.875	4
48	MP3B	Mx	-.02	4
49	MP3C	X	-80.235	2
50	MP3C	Z	46.324	2
51	MP3C	Mx	.012	2
52	MP3C	X	-80.235	4
53	MP3C	Z	46.324	4
54	MP3C	Mx	.012	4
55	MP2A	X	-45.97	2.5
56	MP2A	Z	26.541	2.5
57	MP2A	Mx	-.026	2.5
58	MP2C	X	-65.081	2.5
59	MP2C	Z	37.575	2.5
60	MP2C	Mx	-.01	2.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4B	X	-45.97	2.5
62	MP4B	Z	26.541	2.5
63	MP4B	Mx	.026	2.5
64	MP1A	X	-42.234	2.5
65	MP1A	Z	24.384	2.5
66	MP1A	Mx	-.024	2.5
67	MP1C	X	-64.813	2.5
68	MP1C	Z	37.42	2.5
69	MP1C	Mx	-.01	2.5
70	MP2B	X	-42.234	2.5
71	MP2B	Z	24.384	2.5
72	MP2B	Mx	.024	2.5
73	MP1B	X	-97.25	.5
74	MP1B	Z	56.147	.5
75	MP1B	Mx	-.054	.5
76	MP1B	X	-97.25	5.5
77	MP1B	Z	56.147	5.5
78	MP1B	Mx	-.054	5.5
79	MP4A	X	-97.25	.5
80	MP4A	Z	56.147	.5
81	MP4A	Mx	.054	.5
82	MP4A	X	-97.25	5.5
83	MP4A	Z	56.147	5.5
84	MP4A	Mx	.054	5.5
85	MP4C	X	-148.219	.5
86	MP4C	Z	85.574	.5
87	MP4C	Mx	.022	.5
88	MP4C	X	-148.219	5.5
89	MP4C	Z	85.574	5.5
90	MP4C	Mx	.022	5.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-154.279	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.045	.5
4	MP1A	X	-154.279	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	.045	5.5
7	MP1C	X	-199.341	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	-.17	.5
10	MP1C	X	-199.341	5.5
11	MP1C	Z	0	5.5
12	MP1C	Mx	-.17	5.5
13	MP1A	X	-154.279	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	.104	.5
16	MP1A	X	-154.279	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	.104	5.5
19	MP1C	X	-199.341	.5
20	MP1C	Z	0	.5
21	MP1C	Mx	.119	.5
22	MP1C	X	-199.341	5.5
23	MP1C	Z	0	5.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1C	Mx	.119	5.5
25	MP5B	X	-154.279	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	-.045	.5
28	MP5B	X	-154.279	5.5
29	MP5B	Z	0	5.5
30	MP5B	Mx	-.045	5.5
31	MP5B	X	-154.279	.5
32	MP5B	Z	0	.5
33	MP5B	Mx	-.104	.5
34	MP5B	X	-154.279	5.5
35	MP5B	Z	0	5.5
36	MP5B	Mx	-.104	5.5
37	MP3A	X	-41.749	2
38	MP3A	Z	0	2
39	MP3A	Mx	.02	2
40	MP3A	X	-41.749	4
41	MP3A	Z	0	4
42	MP3A	Mx	.02	4
43	MP3B	X	-41.749	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.02	2
46	MP3B	X	-41.749	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.02	4
49	MP3C	X	-92.647	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.012	2
52	MP3C	X	-92.647	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.012	4
55	MP2A	X	-53.081	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	-.026	2.5
58	MP2C	X	-75.149	2.5
59	MP2C	Z	0	2.5
60	MP2C	Mx	.01	2.5
61	MP4B	X	-53.081	2.5
62	MP4B	Z	0	2.5
63	MP4B	Mx	.026	2.5
64	MP1A	X	-48.767	2.5
65	MP1A	Z	0	2.5
66	MP1A	Mx	-.024	2.5
67	MP1C	X	-74.84	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.01	2.5
70	MP2B	X	-48.767	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.024	2.5
73	MP1B	X	-112.295	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	-.054	.5
76	MP1B	X	-112.295	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	-.054	5.5
79	MP4A	X	-112.295	.5
80	MP4A	Z	0	.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4A	Mx	.054	.5
82	MP4A	X	-112.295	5.5
83	MP4A	Z	0	5.5
84	MP4A	Mx	.054	5.5
85	MP4C	X	-171.148	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	-.022	.5
88	MP4C	X	-171.148	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	-.022	5.5

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-153.122	.5
2	MP1A	Z	-88.405	.5
3	MP1A	Mx	-.031	.5
4	MP1A	X	-153.122	5.5
5	MP1A	Z	-88.405	5.5
6	MP1A	Mx	-.031	5.5
7	MP1C	X	-153.122	.5
8	MP1C	Z	-88.405	.5
9	MP1C	Mx	-.156	.5
10	MP1C	X	-153.122	5.5
11	MP1C	Z	-88.405	5.5
12	MP1C	Mx	-.156	5.5
13	MP1A	X	-153.122	.5
14	MP1A	Z	-88.405	.5
15	MP1A	Mx	.156	.5
16	MP1A	X	-153.122	5.5
17	MP1A	Z	-88.405	5.5
18	MP1A	Mx	.156	5.5
19	MP1C	X	-153.122	.5
20	MP1C	Z	-88.405	.5
21	MP1C	Mx	.031	.5
22	MP1C	X	-153.122	5.5
23	MP1C	Z	-88.405	5.5
24	MP1C	Mx	.031	5.5
25	MP5B	X	-153.122	.5
26	MP5B	Z	-88.405	.5
27	MP5B	Mx	.031	.5
28	MP5B	X	-153.122	5.5
29	MP5B	Z	-88.405	5.5
30	MP5B	Mx	.031	5.5
31	MP5B	X	-153.122	.5
32	MP5B	Z	-88.405	.5
33	MP5B	Mx	-.156	.5
34	MP5B	X	-153.122	5.5
35	MP5B	Z	-88.405	5.5
36	MP5B	Mx	-.156	5.5
37	MP3A	X	-58.195	2
38	MP3A	Z	-33.599	2
39	MP3A	Mx	.024	2
40	MP3A	X	-58.195	4
41	MP3A	Z	-33.599	4
42	MP3A	Mx	.024	4
43	MP3B	X	-58.195	2

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	-33.599	2
45	MP3B	Mx	-.024	2
46	MP3B	X	-58.195	4
47	MP3B	Z	-33.599	4
48	MP3B	Mx	-.024	4
49	MP3C	X	-58.195	2
50	MP3C	Z	-33.599	2
51	MP3C	Mx	-.024	2
52	MP3C	X	-58.195	4
53	MP3C	Z	-33.599	4
54	MP3C	Mx	-.024	4
55	MP2A	X	-55.526	2.5
56	MP2A	Z	-32.058	2.5
57	MP2A	Mx	-.023	2.5
58	MP2C	X	-55.526	2.5
59	MP2C	Z	-32.058	2.5
60	MP2C	Mx	.023	2.5
61	MP4B	X	-55.526	2.5
62	MP4B	Z	-32.058	2.5
63	MP4B	Mx	.023	2.5
64	MP1A	X	-53.523	2.5
65	MP1A	Z	-30.902	2.5
66	MP1A	Mx	-.022	2.5
67	MP1C	X	-53.523	2.5
68	MP1C	Z	-30.902	2.5
69	MP1C	Mx	.022	2.5
70	MP2B	X	-53.523	2.5
71	MP2B	Z	-30.902	2.5
72	MP2B	Mx	.022	2.5
73	MP1B	X	-122.735	.5
74	MP1B	Z	-70.861	.5
75	MP1B	Mx	-.05	.5
76	MP1B	X	-122.735	5.5
77	MP1B	Z	-70.861	5.5
78	MP1B	Mx	-.05	5.5
79	MP4A	X	-122.735	.5
80	MP4A	Z	-70.861	.5
81	MP4A	Mx	.05	.5
82	MP4A	X	-122.735	5.5
83	MP4A	Z	-70.861	5.5
84	MP4A	Mx	.05	5.5
85	MP4C	X	-122.735	.5
86	MP4C	Z	-70.861	.5
87	MP4C	Mx	-.05	.5
88	MP4C	X	-122.735	5.5
89	MP4C	Z	-70.861	5.5
90	MP4C	Mx	-.05	5.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-99.67	.5
2	MP1A	Z	-172.634	.5
3	MP1A	Mx	-.119	.5
4	MP1A	X	-99.67	5.5
5	MP1A	Z	-172.634	5.5
6	MP1A	Mx	-.119	5.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1C	X	-77.14	.5
8	MP1C	Z	-133.61	.5
9	MP1C	Mx	-.104	.5
10	MP1C	X	-77.14	5.5
11	MP1C	Z	-133.61	5.5
12	MP1C	Mx	-.104	5.5
13	MP1A	X	-99.67	.5
14	MP1A	Z	-172.634	.5
15	MP1A	Mx	.17	.5
16	MP1A	X	-99.67	5.5
17	MP1A	Z	-172.634	5.5
18	MP1A	Mx	.17	5.5
19	MP1C	X	-77.14	.5
20	MP1C	Z	-133.61	.5
21	MP1C	Mx	-.045	.5
22	MP1C	X	-77.14	5.5
23	MP1C	Z	-133.61	5.5
24	MP1C	Mx	-.045	5.5
25	MP5B	X	-99.67	.5
26	MP5B	Z	-172.634	.5
27	MP5B	Mx	.119	.5
28	MP5B	X	-99.67	5.5
29	MP5B	Z	-172.634	5.5
30	MP5B	Mx	.119	5.5
31	MP5B	X	-99.67	.5
32	MP5B	Z	-172.634	.5
33	MP5B	Mx	-.17	.5
34	MP5B	X	-99.67	5.5
35	MP5B	Z	-172.634	5.5
36	MP5B	Mx	-.17	5.5
37	MP3A	X	-46.324	2
38	MP3A	Z	-80.235	2
39	MP3A	Mx	.012	2
40	MP3A	X	-46.324	4
41	MP3A	Z	-80.235	4
42	MP3A	Mx	.012	4
43	MP3B	X	-46.324	2
44	MP3B	Z	-80.235	2
45	MP3B	Mx	-.012	2
46	MP3B	X	-46.324	4
47	MP3B	Z	-80.235	4
48	MP3B	Mx	-.012	4
49	MP3C	X	-20.875	2
50	MP3C	Z	-36.156	2
51	MP3C	Mx	-.02	2
52	MP3C	X	-20.875	4
53	MP3C	Z	-36.156	4
54	MP3C	Mx	-.02	4
55	MP2A	X	-37.575	2.5
56	MP2A	Z	-65.081	2.5
57	MP2A	Mx	-.01	2.5
58	MP2C	X	-26.541	2.5
59	MP2C	Z	-45.97	2.5
60	MP2C	Mx	.026	2.5
61	MP4B	X	-37.575	2.5
62	MP4B	Z	-65.081	2.5
63	MP4B	Mx	.01	2.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1A	X	-37.42	2.5
65	MP1A	Z	-64.813	2.5
66	MP1A	Mx	-.01	2.5
67	MP1C	X	-24.384	2.5
68	MP1C	Z	-42.234	2.5
69	MP1C	Mx	.024	2.5
70	MP2B	X	-37.42	2.5
71	MP2B	Z	-64.813	2.5
72	MP2B	Mx	.01	2.5
73	MP1B	X	-85.574	.5
74	MP1B	Z	-148.219	.5
75	MP1B	Mx	-.022	.5
76	MP1B	X	-85.574	5.5
77	MP1B	Z	-148.219	5.5
78	MP1B	Mx	-.022	5.5
79	MP4A	X	-85.574	.5
80	MP4A	Z	-148.219	.5
81	MP4A	Mx	.022	.5
82	MP4A	X	-85.574	5.5
83	MP4A	Z	-148.219	5.5
84	MP4A	Mx	.022	5.5
85	MP4C	X	-56.147	.5
86	MP4C	Z	-97.25	.5
87	MP4C	Mx	-.054	.5
88	MP4C	X	-56.147	5.5
89	MP4C	Z	-97.25	5.5
90	MP4C	Mx	-.054	5.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-37.067	.5
3	MP1A	Mx	-.032	.5
4	MP1A	X	0	5.5
5	MP1A	Z	-37.067	5.5
6	MP1A	Mx	-.032	5.5
7	MP1C	X	0	.5
8	MP1C	Z	-29.109	.5
9	MP1C	Mx	-.008	.5
10	MP1C	X	0	5.5
11	MP1C	Z	-29.109	5.5
12	MP1C	Mx	-.008	5.5
13	MP1A	X	0	.5
14	MP1A	Z	-37.067	.5
15	MP1A	Mx	.022	.5
16	MP1A	X	0	5.5
17	MP1A	Z	-37.067	5.5
18	MP1A	Mx	.022	5.5
19	MP1C	X	0	.5
20	MP1C	Z	-29.109	.5
21	MP1C	Mx	-.02	.5
22	MP1C	X	0	5.5
23	MP1C	Z	-29.109	5.5
24	MP1C	Mx	-.02	5.5
25	MP5B	X	0	.5
26	MP5B	Z	-37.067	.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP5B	Mx	.032	.5
28	MP5B	X	0	5.5
29	MP5B	Z	-37.067	5.5
30	MP5B	Mx	.032	5.5
31	MP5B	X	0	.5
32	MP5B	Z	-37.067	.5
33	MP5B	Mx	-.022	.5
34	MP5B	X	0	5.5
35	MP5B	Z	-37.067	5.5
36	MP5B	Mx	-.022	5.5
37	MP3A	X	0	2
38	MP3A	Z	-17.859	2
39	MP3A	Mx	-.002	2
40	MP3A	X	0	4
41	MP3A	Z	-17.859	4
42	MP3A	Mx	-.002	4
43	MP3B	X	0	2
44	MP3B	Z	-17.859	2
45	MP3B	Mx	.002	2
46	MP3B	X	0	4
47	MP3B	Z	-17.859	4
48	MP3B	Mx	.002	4
49	MP3C	X	0	2
50	MP3C	Z	-8.61	2
51	MP3C	Mx	-.004	2
52	MP3C	X	0	4
53	MP3C	Z	-8.61	4
54	MP3C	Mx	-.004	4
55	MP2A	X	0	2.5
56	MP2A	Z	-15.313	2.5
57	MP2A	Mx	.002	2.5
58	MP2C	X	0	2.5
59	MP2C	Z	-11.182	2.5
60	MP2C	Mx	.005	2.5
61	MP4B	X	0	2.5
62	MP4B	Z	-15.313	2.5
63	MP4B	Mx	-.002	2.5
64	MP1A	X	0	2.5
65	MP1A	Z	-15.255	2.5
66	MP1A	Mx	.002	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-10.381	2.5
69	MP1C	Mx	.005	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-15.255	2.5
72	MP2B	Mx	-.002	2.5
73	MP1B	X	0	.5
74	MP1B	Z	-32.073	.5
75	MP1B	Mx	.004	.5
76	MP1B	X	0	5.5
77	MP1B	Z	-32.073	5.5
78	MP1B	Mx	.004	5.5
79	MP4A	X	0	.5
80	MP4A	Z	-32.073	.5
81	MP4A	Mx	-.004	.5
82	MP4A	X	0	5.5
83	MP4A	Z	-32.073	5.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP4A	Mx	-.004	5.5
85	MP4C	X	0	.5
86	MP4C	Z	-21.962	.5
87	MP4C	Mx	-.011	.5
88	MP4C	X	0	5.5
89	MP4C	Z	-21.962	5.5
90	MP4C	Mx	-.011	5.5

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	16.544	.5
2	MP1A	Z	-28.655	.5
3	MP1A	Mx	-.029	.5
4	MP1A	X	16.544	5.5
5	MP1A	Z	-28.655	5.5
6	MP1A	Mx	-.029	5.5
7	MP1C	X	16.544	.5
8	MP1C	Z	-28.655	.5
9	MP1C	Mx	.006	.5
10	MP1C	X	16.544	5.5
11	MP1C	Z	-28.655	5.5
12	MP1C	Mx	.006	5.5
13	MP1A	X	16.544	.5
14	MP1A	Z	-28.655	.5
15	MP1A	Mx	.006	.5
16	MP1A	X	16.544	5.5
17	MP1A	Z	-28.655	5.5
18	MP1A	Mx	.006	5.5
19	MP1C	X	16.544	.5
20	MP1C	Z	-28.655	.5
21	MP1C	Mx	-.029	.5
22	MP1C	X	16.544	5.5
23	MP1C	Z	-28.655	5.5
24	MP1C	Mx	-.029	5.5
25	MP5B	X	16.544	.5
26	MP5B	Z	-28.655	.5
27	MP5B	Mx	.029	.5
28	MP5B	X	16.544	5.5
29	MP5B	Z	-28.655	5.5
30	MP5B	Mx	.029	5.5
31	MP5B	X	16.544	.5
32	MP5B	Z	-28.655	.5
33	MP5B	Mx	-.006	.5
34	MP5B	X	16.544	5.5
35	MP5B	Z	-28.655	5.5
36	MP5B	Mx	-.006	5.5
37	MP3A	X	6.617	2
38	MP3A	Z	-11.461	2
39	MP3A	Mx	-.005	2
40	MP3A	X	6.617	4
41	MP3A	Z	-11.461	4
42	MP3A	Mx	-.005	4
43	MP3B	X	6.617	2
44	MP3B	Z	-11.461	2
45	MP3B	Mx	.005	2
46	MP3B	X	6.617	4

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	-11.461	4
48	MP3B	Mx	.005	4
49	MP3C	X	6.617	2
50	MP3C	Z	-11.461	2
51	MP3C	Mx	-.005	2
52	MP3C	X	6.617	4
53	MP3C	Z	-11.461	4
54	MP3C	Mx	-.005	4
55	MP2A	X	6.624	2.5
56	MP2A	Z	-11.473	2.5
57	MP2A	Mx	.005	2.5
58	MP2C	X	6.624	2.5
59	MP2C	Z	-11.473	2.5
60	MP2C	Mx	.005	2.5
61	MP4B	X	6.624	2.5
62	MP4B	Z	-11.473	2.5
63	MP4B	Mx	-.005	2.5
64	MP1A	X	6.409	2.5
65	MP1A	Z	-11.101	2.5
66	MP1A	Mx	.005	2.5
67	MP1C	X	6.409	2.5
68	MP1C	Z	-11.101	2.5
69	MP1C	Mx	.005	2.5
70	MP2B	X	6.409	2.5
71	MP2B	Z	-11.101	2.5
72	MP2B	Mx	-.005	2.5
73	MP1B	X	13.509	.5
74	MP1B	Z	-23.398	.5
75	MP1B	Mx	.01	.5
76	MP1B	X	13.509	5.5
77	MP1B	Z	-23.398	5.5
78	MP1B	Mx	.01	5.5
79	MP4A	X	13.509	.5
80	MP4A	Z	-23.398	.5
81	MP4A	Mx	-.01	.5
82	MP4A	X	13.509	5.5
83	MP4A	Z	-23.398	5.5
84	MP4A	Mx	-.01	5.5
85	MP4C	X	13.509	.5
86	MP4C	Z	-23.398	.5
87	MP4C	Mx	-.01	.5
88	MP4C	X	13.509	5.5
89	MP4C	Z	-23.398	5.5
90	MP4C	Mx	-.01	5.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	25.209	.5
2	MP1A	Z	-14.555	.5
3	MP1A	Mx	-.02	.5
4	MP1A	X	25.209	5.5
5	MP1A	Z	-14.555	5.5
6	MP1A	Mx	-.02	5.5
7	MP1C	X	32.101	.5
8	MP1C	Z	-18.533	.5
9	MP1C	Mx	.022	.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1C	X	32.101	5.5
11	MP1C	Z	-18.533	5.5
12	MP1C	Mx	.022	5.5
13	MP1A	X	25.209	.5
14	MP1A	Z	-14.555	.5
15	MP1A	Mx	-.008	.5
16	MP1A	X	25.209	5.5
17	MP1A	Z	-14.555	5.5
18	MP1A	Mx	-.008	5.5
19	MP1C	X	32.101	.5
20	MP1C	Z	-18.533	.5
21	MP1C	Mx	-.032	.5
22	MP1C	X	32.101	5.5
23	MP1C	Z	-18.533	5.5
24	MP1C	Mx	-.032	5.5
25	MP5B	X	25.209	.5
26	MP5B	Z	-14.555	.5
27	MP5B	Mx	.02	.5
28	MP5B	X	25.209	5.5
29	MP5B	Z	-14.555	5.5
30	MP5B	Mx	.02	5.5
31	MP5B	X	25.209	.5
32	MP5B	Z	-14.555	.5
33	MP5B	Mx	.008	.5
34	MP5B	X	25.209	5.5
35	MP5B	Z	-14.555	5.5
36	MP5B	Mx	.008	5.5
37	MP3A	X	7.456	2
38	MP3A	Z	-4.305	2
39	MP3A	Mx	-.004	2
40	MP3A	X	7.456	4
41	MP3A	Z	-4.305	4
42	MP3A	Mx	-.004	4
43	MP3B	X	7.456	2
44	MP3B	Z	-4.305	2
45	MP3B	Mx	.004	2
46	MP3B	X	7.456	4
47	MP3B	Z	-4.305	4
48	MP3B	Mx	.004	4
49	MP3C	X	15.466	2
50	MP3C	Z	-8.93	2
51	MP3C	Mx	-.002	2
52	MP3C	X	15.466	4
53	MP3C	Z	-8.93	4
54	MP3C	Mx	-.002	4
55	MP2A	X	9.684	2.5
56	MP2A	Z	-5.591	2.5
57	MP2A	Mx	.005	2.5
58	MP2C	X	13.261	2.5
59	MP2C	Z	-7.656	2.5
60	MP2C	Mx	.002	2.5
61	MP4B	X	9.684	2.5
62	MP4B	Z	-5.591	2.5
63	MP4B	Mx	-.005	2.5
64	MP1A	X	8.99	2.5
65	MP1A	Z	-5.191	2.5
66	MP1A	Mx	.005	2.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	13.212	2.5
68	MP1C	Z	-7.628	2.5
69	MP1C	Mx	.002	2.5
70	MP2B	X	8.99	2.5
71	MP2B	Z	-5.191	2.5
72	MP2B	Mx	-.005	2.5
73	MP1B	X	19.02	.5
74	MP1B	Z	-10.981	.5
75	MP1B	Mx	.011	.5
76	MP1B	X	19.02	5.5
77	MP1B	Z	-10.981	5.5
78	MP1B	Mx	.011	5.5
79	MP4A	X	19.02	.5
80	MP4A	Z	-10.981	.5
81	MP4A	Mx	-.011	.5
82	MP4A	X	19.02	5.5
83	MP4A	Z	-10.981	5.5
84	MP4A	Mx	-.011	5.5
85	MP4C	X	27.776	.5
86	MP4C	Z	-16.036	.5
87	MP4C	Mx	-.004	.5
88	MP4C	X	27.776	5.5
89	MP4C	Z	-16.036	5.5
90	MP4C	Mx	-.004	5.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	29.109	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	29.109	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	-.008	5.5
7	MP1C	X	37.067	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	.032	.5
10	MP1C	X	37.067	5.5
11	MP1C	Z	0	5.5
12	MP1C	Mx	.032	5.5
13	MP1A	X	29.109	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	-.02	.5
16	MP1A	X	29.109	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	-.02	5.5
19	MP1C	X	37.067	.5
20	MP1C	Z	0	.5
21	MP1C	Mx	-.022	.5
22	MP1C	X	37.067	5.5
23	MP1C	Z	0	5.5
24	MP1C	Mx	-.022	5.5
25	MP5B	X	29.109	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	.008	.5
28	MP5B	X	29.109	5.5
29	MP5B	Z	0	5.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP5B	Mx	.008	5.5
31	MP5B	X	29.109	.5
32	MP5B	Z	0	.5
33	MP5B	Mx	.02	.5
34	MP5B	X	29.109	5.5
35	MP5B	Z	0	5.5
36	MP5B	Mx	.02	5.5
37	MP3A	X	8.61	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.61	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.004	4
43	MP3B	X	8.61	2
44	MP3B	Z	0	2
45	MP3B	Mx	.004	2
46	MP3B	X	8.61	4
47	MP3B	Z	0	4
48	MP3B	Mx	.004	4
49	MP3C	X	17.859	2
50	MP3C	Z	0	2
51	MP3C	Mx	.002	2
52	MP3C	X	17.859	4
53	MP3C	Z	0	4
54	MP3C	Mx	.002	4
55	MP2A	X	11.182	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	.005	2.5
58	MP2C	X	15.313	2.5
59	MP2C	Z	0	2.5
60	MP2C	Mx	-.002	2.5
61	MP4B	X	11.182	2.5
62	MP4B	Z	0	2.5
63	MP4B	Mx	-.005	2.5
64	MP1A	X	10.381	2.5
65	MP1A	Z	0	2.5
66	MP1A	Mx	.005	2.5
67	MP1C	X	15.255	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.002	2.5
70	MP2B	X	10.381	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.005	2.5
73	MP1B	X	21.962	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	.011	.5
76	MP1B	X	21.962	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	.011	5.5
79	MP4A	X	21.962	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	-.011	.5
82	MP4A	X	21.962	5.5
83	MP4A	Z	0	5.5
84	MP4A	Mx	-.011	5.5
85	MP4C	X	32.073	.5
86	MP4C	Z	0	.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4C	Mx	.004	.5
88	MP4C	X	32.073	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	.004	5.5

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.655	.5
2	MP1A	Z	16.544	.5
3	MP1A	Mx	.006	.5
4	MP1A	X	28.655	5.5
5	MP1A	Z	16.544	5.5
6	MP1A	Mx	.006	5.5
7	MP1C	X	28.655	.5
8	MP1C	Z	16.544	.5
9	MP1C	Mx	.029	.5
10	MP1C	X	28.655	5.5
11	MP1C	Z	16.544	5.5
12	MP1C	Mx	.029	5.5
13	MP1A	X	28.655	.5
14	MP1A	Z	16.544	.5
15	MP1A	Mx	-.029	.5
16	MP1A	X	28.655	5.5
17	MP1A	Z	16.544	5.5
18	MP1A	Mx	-.029	5.5
19	MP1C	X	28.655	.5
20	MP1C	Z	16.544	.5
21	MP1C	Mx	-.006	.5
22	MP1C	X	28.655	5.5
23	MP1C	Z	16.544	5.5
24	MP1C	Mx	-.006	5.5
25	MP5B	X	28.655	.5
26	MP5B	Z	16.544	.5
27	MP5B	Mx	-.006	.5
28	MP5B	X	28.655	5.5
29	MP5B	Z	16.544	5.5
30	MP5B	Mx	-.006	5.5
31	MP5B	X	28.655	.5
32	MP5B	Z	16.544	.5
33	MP5B	Mx	.029	.5
34	MP5B	X	28.655	5.5
35	MP5B	Z	16.544	5.5
36	MP5B	Mx	.029	5.5
37	MP3A	X	11.461	2
38	MP3A	Z	6.617	2
39	MP3A	Mx	-.005	2
40	MP3A	X	11.461	4
41	MP3A	Z	6.617	4
42	MP3A	Mx	-.005	4
43	MP3B	X	11.461	2
44	MP3B	Z	6.617	2
45	MP3B	Mx	.005	2
46	MP3B	X	11.461	4
47	MP3B	Z	6.617	4
48	MP3B	Mx	.005	4
49	MP3C	X	11.461	2

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	6.617	2
51	MP3C	Mx	.005	2
52	MP3C	X	11.461	4
53	MP3C	Z	6.617	4
54	MP3C	Mx	.005	4
55	MP2A	X	11.473	2.5
56	MP2A	Z	6.624	2.5
57	MP2A	Mx	.005	2.5
58	MP2C	X	11.473	2.5
59	MP2C	Z	6.624	2.5
60	MP2C	Mx	-.005	2.5
61	MP4B	X	11.473	2.5
62	MP4B	Z	6.624	2.5
63	MP4B	Mx	-.005	2.5
64	MP1A	X	11.101	2.5
65	MP1A	Z	6.409	2.5
66	MP1A	Mx	.005	2.5
67	MP1C	X	11.101	2.5
68	MP1C	Z	6.409	2.5
69	MP1C	Mx	-.005	2.5
70	MP2B	X	11.101	2.5
71	MP2B	Z	6.409	2.5
72	MP2B	Mx	-.005	2.5
73	MP1B	X	23.398	.5
74	MP1B	Z	13.509	.5
75	MP1B	Mx	.01	.5
76	MP1B	X	23.398	5.5
77	MP1B	Z	13.509	5.5
78	MP1B	Mx	.01	5.5
79	MP4A	X	23.398	.5
80	MP4A	Z	13.509	.5
81	MP4A	Mx	-.01	.5
82	MP4A	X	23.398	5.5
83	MP4A	Z	13.509	5.5
84	MP4A	Mx	-.01	5.5
85	MP4C	X	23.398	.5
86	MP4C	Z	13.509	.5
87	MP4C	Mx	.01	.5
88	MP4C	X	23.398	5.5
89	MP4C	Z	13.509	5.5
90	MP4C	Mx	.01	5.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	18.533	.5
2	MP1A	Z	32.101	.5
3	MP1A	Mx	.022	.5
4	MP1A	X	18.533	5.5
5	MP1A	Z	32.101	5.5
6	MP1A	Mx	.022	5.5
7	MP1C	X	14.555	.5
8	MP1C	Z	25.209	.5
9	MP1C	Mx	.02	.5
10	MP1C	X	14.555	5.5
11	MP1C	Z	25.209	5.5
12	MP1C	Mx	.02	5.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	X	18.533	.5
14	MP1A	Z	32.101	.5
15	MP1A	Mx	-.032	.5
16	MP1A	X	18.533	5.5
17	MP1A	Z	32.101	5.5
18	MP1A	Mx	-.032	5.5
19	MP1C	X	14.555	.5
20	MP1C	Z	25.209	.5
21	MP1C	Mx	.008	.5
22	MP1C	X	14.555	5.5
23	MP1C	Z	25.209	5.5
24	MP1C	Mx	.008	5.5
25	MP5B	X	18.533	.5
26	MP5B	Z	32.101	.5
27	MP5B	Mx	-.022	.5
28	MP5B	X	18.533	5.5
29	MP5B	Z	32.101	5.5
30	MP5B	Mx	-.022	5.5
31	MP5B	X	18.533	.5
32	MP5B	Z	32.101	.5
33	MP5B	Mx	.032	.5
34	MP5B	X	18.533	5.5
35	MP5B	Z	32.101	5.5
36	MP5B	Mx	.032	5.5
37	MP3A	X	8.93	2
38	MP3A	Z	15.466	2
39	MP3A	Mx	-.002	2
40	MP3A	X	8.93	4
41	MP3A	Z	15.466	4
42	MP3A	Mx	-.002	4
43	MP3B	X	8.93	2
44	MP3B	Z	15.466	2
45	MP3B	Mx	.002	2
46	MP3B	X	8.93	4
47	MP3B	Z	15.466	4
48	MP3B	Mx	.002	4
49	MP3C	X	4.305	2
50	MP3C	Z	7.456	2
51	MP3C	Mx	.004	2
52	MP3C	X	4.305	4
53	MP3C	Z	7.456	4
54	MP3C	Mx	.004	4
55	MP2A	X	7.656	2.5
56	MP2A	Z	13.261	2.5
57	MP2A	Mx	.002	2.5
58	MP2C	X	5.591	2.5
59	MP2C	Z	9.684	2.5
60	MP2C	Mx	-.005	2.5
61	MP4B	X	7.656	2.5
62	MP4B	Z	13.261	2.5
63	MP4B	Mx	-.002	2.5
64	MP1A	X	7.628	2.5
65	MP1A	Z	13.212	2.5
66	MP1A	Mx	.002	2.5
67	MP1C	X	5.191	2.5
68	MP1C	Z	8.99	2.5
69	MP1C	Mx	-.005	2.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	7.628	2.5
71	MP2B	Z	13.212	2.5
72	MP2B	Mx	-.002	2.5
73	MP1B	X	16.036	.5
74	MP1B	Z	27.776	.5
75	MP1B	Mx	.004	.5
76	MP1B	X	16.036	5.5
77	MP1B	Z	27.776	5.5
78	MP1B	Mx	.004	5.5
79	MP4A	X	16.036	.5
80	MP4A	Z	27.776	.5
81	MP4A	Mx	-.004	.5
82	MP4A	X	16.036	5.5
83	MP4A	Z	27.776	5.5
84	MP4A	Mx	-.004	5.5
85	MP4C	X	10.981	.5
86	MP4C	Z	19.02	.5
87	MP4C	Mx	.011	.5
88	MP4C	X	10.981	5.5
89	MP4C	Z	19.02	5.5
90	MP4C	Mx	.011	5.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	37.067	.5
3	MP1A	Mx	.032	.5
4	MP1A	X	0	5.5
5	MP1A	Z	37.067	5.5
6	MP1A	Mx	.032	5.5
7	MP1C	X	0	.5
8	MP1C	Z	29.109	.5
9	MP1C	Mx	.008	.5
10	MP1C	X	0	5.5
11	MP1C	Z	29.109	5.5
12	MP1C	Mx	.008	5.5
13	MP1A	X	0	.5
14	MP1A	Z	37.067	.5
15	MP1A	Mx	-.022	.5
16	MP1A	X	0	5.5
17	MP1A	Z	37.067	5.5
18	MP1A	Mx	-.022	5.5
19	MP1C	X	0	.5
20	MP1C	Z	29.109	.5
21	MP1C	Mx	.02	.5
22	MP1C	X	0	5.5
23	MP1C	Z	29.109	5.5
24	MP1C	Mx	.02	5.5
25	MP5B	X	0	.5
26	MP5B	Z	37.067	.5
27	MP5B	Mx	-.032	.5
28	MP5B	X	0	5.5
29	MP5B	Z	37.067	5.5
30	MP5B	Mx	-.032	5.5
31	MP5B	X	0	.5
32	MP5B	Z	37.067	.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP5B	Mx	.022	.5
34	MP5B	X	0	5.5
35	MP5B	Z	37.067	5.5
36	MP5B	Mx	.022	5.5
37	MP3A	X	0	2
38	MP3A	Z	17.859	2
39	MP3A	Mx	.002	2
40	MP3A	X	0	4
41	MP3A	Z	17.859	4
42	MP3A	Mx	.002	4
43	MP3B	X	0	2
44	MP3B	Z	17.859	2
45	MP3B	Mx	-.002	2
46	MP3B	X	0	4
47	MP3B	Z	17.859	4
48	MP3B	Mx	-.002	4
49	MP3C	X	0	2
50	MP3C	Z	8.61	2
51	MP3C	Mx	.004	2
52	MP3C	X	0	4
53	MP3C	Z	8.61	4
54	MP3C	Mx	.004	4
55	MP2A	X	0	2.5
56	MP2A	Z	15.313	2.5
57	MP2A	Mx	-.002	2.5
58	MP2C	X	0	2.5
59	MP2C	Z	11.182	2.5
60	MP2C	Mx	-.005	2.5
61	MP4B	X	0	2.5
62	MP4B	Z	15.313	2.5
63	MP4B	Mx	.002	2.5
64	MP1A	X	0	2.5
65	MP1A	Z	15.255	2.5
66	MP1A	Mx	-.002	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	10.381	2.5
69	MP1C	Mx	-.005	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	15.255	2.5
72	MP2B	Mx	.002	2.5
73	MP1B	X	0	.5
74	MP1B	Z	32.073	.5
75	MP1B	Mx	-.004	.5
76	MP1B	X	0	5.5
77	MP1B	Z	32.073	5.5
78	MP1B	Mx	-.004	5.5
79	MP4A	X	0	.5
80	MP4A	Z	32.073	.5
81	MP4A	Mx	.004	.5
82	MP4A	X	0	5.5
83	MP4A	Z	32.073	5.5
84	MP4A	Mx	.004	5.5
85	MP4C	X	0	.5
86	MP4C	Z	21.962	.5
87	MP4C	Mx	.011	.5
88	MP4C	X	0	5.5
89	MP4C	Z	21.962	5.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	.011	5.5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-16.544	.5
2	MP1A	Z	28.655	.5
3	MP1A	Mx	.029	.5
4	MP1A	X	-16.544	5.5
5	MP1A	Z	28.655	5.5
6	MP1A	Mx	.029	5.5
7	MP1C	X	-16.544	.5
8	MP1C	Z	28.655	.5
9	MP1C	Mx	-.006	.5
10	MP1C	X	-16.544	5.5
11	MP1C	Z	28.655	5.5
12	MP1C	Mx	-.006	5.5
13	MP1A	X	-16.544	.5
14	MP1A	Z	28.655	.5
15	MP1A	Mx	-.006	.5
16	MP1A	X	-16.544	5.5
17	MP1A	Z	28.655	5.5
18	MP1A	Mx	-.006	5.5
19	MP1C	X	-16.544	.5
20	MP1C	Z	28.655	.5
21	MP1C	Mx	.029	.5
22	MP1C	X	-16.544	5.5
23	MP1C	Z	28.655	5.5
24	MP1C	Mx	.029	5.5
25	MP5B	X	-16.544	.5
26	MP5B	Z	28.655	.5
27	MP5B	Mx	-.029	.5
28	MP5B	X	-16.544	5.5
29	MP5B	Z	28.655	5.5
30	MP5B	Mx	-.029	5.5
31	MP5B	X	-16.544	.5
32	MP5B	Z	28.655	.5
33	MP5B	Mx	.006	.5
34	MP5B	X	-16.544	5.5
35	MP5B	Z	28.655	5.5
36	MP5B	Mx	.006	5.5
37	MP3A	X	-6.617	2
38	MP3A	Z	11.461	2
39	MP3A	Mx	.005	2
40	MP3A	X	-6.617	4
41	MP3A	Z	11.461	4
42	MP3A	Mx	.005	4
43	MP3B	X	-6.617	2
44	MP3B	Z	11.461	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-6.617	4
47	MP3B	Z	11.461	4
48	MP3B	Mx	-.005	4
49	MP3C	X	-6.617	2
50	MP3C	Z	11.461	2
51	MP3C	Mx	.005	2
52	MP3C	X	-6.617	4

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	11.461	4
54	MP3C	Mx	.005	4
55	MP2A	X	-6.624	2.5
56	MP2A	Z	11.473	2.5
57	MP2A	Mx	-.005	2.5
58	MP2C	X	-6.624	2.5
59	MP2C	Z	11.473	2.5
60	MP2C	Mx	-.005	2.5
61	MP4B	X	-6.624	2.5
62	MP4B	Z	11.473	2.5
63	MP4B	Mx	.005	2.5
64	MP1A	X	-6.409	2.5
65	MP1A	Z	11.101	2.5
66	MP1A	Mx	-.005	2.5
67	MP1C	X	-6.409	2.5
68	MP1C	Z	11.101	2.5
69	MP1C	Mx	-.005	2.5
70	MP2B	X	-6.409	2.5
71	MP2B	Z	11.101	2.5
72	MP2B	Mx	.005	2.5
73	MP1B	X	-13.509	.5
74	MP1B	Z	23.398	.5
75	MP1B	Mx	-.01	.5
76	MP1B	X	-13.509	5.5
77	MP1B	Z	23.398	5.5
78	MP1B	Mx	-.01	5.5
79	MP4A	X	-13.509	.5
80	MP4A	Z	23.398	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	-13.509	5.5
83	MP4A	Z	23.398	5.5
84	MP4A	Mx	.01	5.5
85	MP4C	X	-13.509	.5
86	MP4C	Z	23.398	.5
87	MP4C	Mx	.01	.5
88	MP4C	X	-13.509	5.5
89	MP4C	Z	23.398	5.5
90	MP4C	Mx	.01	5.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-25.209	.5
2	MP1A	Z	14.555	.5
3	MP1A	Mx	.02	.5
4	MP1A	X	-25.209	5.5
5	MP1A	Z	14.555	5.5
6	MP1A	Mx	.02	5.5
7	MP1C	X	-32.101	.5
8	MP1C	Z	18.533	.5
9	MP1C	Mx	-.022	.5
10	MP1C	X	-32.101	5.5
11	MP1C	Z	18.533	5.5
12	MP1C	Mx	-.022	5.5
13	MP1A	X	-25.209	.5
14	MP1A	Z	14.555	.5
15	MP1A	Mx	.008	.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1A	X	-25.209	5.5
17	MP1A	Z	14.555	5.5
18	MP1A	Mx	.008	5.5
19	MP1C	X	-32.101	.5
20	MP1C	Z	18.533	.5
21	MP1C	Mx	.032	.5
22	MP1C	X	-32.101	5.5
23	MP1C	Z	18.533	5.5
24	MP1C	Mx	.032	5.5
25	MP5B	X	-25.209	.5
26	MP5B	Z	14.555	.5
27	MP5B	Mx	-.02	.5
28	MP5B	X	-25.209	5.5
29	MP5B	Z	14.555	5.5
30	MP5B	Mx	-.02	5.5
31	MP5B	X	-25.209	.5
32	MP5B	Z	14.555	.5
33	MP5B	Mx	-.008	.5
34	MP5B	X	-25.209	5.5
35	MP5B	Z	14.555	5.5
36	MP5B	Mx	-.008	5.5
37	MP3A	X	-7.456	2
38	MP3A	Z	4.305	2
39	MP3A	Mx	.004	2
40	MP3A	X	-7.456	4
41	MP3A	Z	4.305	4
42	MP3A	Mx	.004	4
43	MP3B	X	-7.456	2
44	MP3B	Z	4.305	2
45	MP3B	Mx	-.004	2
46	MP3B	X	-7.456	4
47	MP3B	Z	4.305	4
48	MP3B	Mx	-.004	4
49	MP3C	X	-15.466	2
50	MP3C	Z	8.93	2
51	MP3C	Mx	.002	2
52	MP3C	X	-15.466	4
53	MP3C	Z	8.93	4
54	MP3C	Mx	.002	4
55	MP2A	X	-9.684	2.5
56	MP2A	Z	5.591	2.5
57	MP2A	Mx	-.005	2.5
58	MP2C	X	-13.261	2.5
59	MP2C	Z	7.656	2.5
60	MP2C	Mx	-.002	2.5
61	MP4B	X	-9.684	2.5
62	MP4B	Z	5.591	2.5
63	MP4B	Mx	.005	2.5
64	MP1A	X	-8.99	2.5
65	MP1A	Z	5.191	2.5
66	MP1A	Mx	-.005	2.5
67	MP1C	X	-13.212	2.5
68	MP1C	Z	7.628	2.5
69	MP1C	Mx	-.002	2.5
70	MP2B	X	-8.99	2.5
71	MP2B	Z	5.191	2.5
72	MP2B	Mx	.005	2.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1B	X	-19.02	.5
74	MP1B	Z	10.981	.5
75	MP1B	Mx	-.011	.5
76	MP1B	X	-19.02	5.5
77	MP1B	Z	10.981	5.5
78	MP1B	Mx	-.011	5.5
79	MP4A	X	-19.02	.5
80	MP4A	Z	10.981	.5
81	MP4A	Mx	.011	.5
82	MP4A	X	-19.02	5.5
83	MP4A	Z	10.981	5.5
84	MP4A	Mx	.011	5.5
85	MP4C	X	-27.776	.5
86	MP4C	Z	16.036	.5
87	MP4C	Mx	.004	.5
88	MP4C	X	-27.776	5.5
89	MP4C	Z	16.036	5.5
90	MP4C	Mx	.004	5.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-29.109	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-29.109	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	.008	5.5
7	MP1C	X	-37.067	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	-.032	.5
10	MP1C	X	-37.067	5.5
11	MP1C	Z	0	5.5
12	MP1C	Mx	-.032	5.5
13	MP1A	X	-29.109	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	.02	.5
16	MP1A	X	-29.109	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	.02	5.5
19	MP1C	X	-37.067	.5
20	MP1C	Z	0	.5
21	MP1C	Mx	.022	.5
22	MP1C	X	-37.067	5.5
23	MP1C	Z	0	5.5
24	MP1C	Mx	.022	5.5
25	MP5B	X	-29.109	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	-.008	.5
28	MP5B	X	-29.109	5.5
29	MP5B	Z	0	5.5
30	MP5B	Mx	-.008	5.5
31	MP5B	X	-29.109	.5
32	MP5B	Z	0	.5
33	MP5B	Mx	-.02	.5
34	MP5B	X	-29.109	5.5
35	MP5B	Z	0	5.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP5B	Mx	-.02	5.5
37	MP3A	X	-8.61	2
38	MP3A	Z	0	2
39	MP3A	Mx	.004	2
40	MP3A	X	-8.61	4
41	MP3A	Z	0	4
42	MP3A	Mx	.004	4
43	MP3B	X	-8.61	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.004	2
46	MP3B	X	-8.61	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.004	4
49	MP3C	X	-17.859	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.002	2
52	MP3C	X	-17.859	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.002	4
55	MP2A	X	-11.182	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	-.005	2.5
58	MP2C	X	-15.313	2.5
59	MP2C	Z	0	2.5
60	MP2C	Mx	.002	2.5
61	MP4B	X	-11.182	2.5
62	MP4B	Z	0	2.5
63	MP4B	Mx	.005	2.5
64	MP1A	X	-10.381	2.5
65	MP1A	Z	0	2.5
66	MP1A	Mx	-.005	2.5
67	MP1C	X	-15.255	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.002	2.5
70	MP2B	X	-10.381	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.005	2.5
73	MP1B	X	-21.962	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	-.011	.5
76	MP1B	X	-21.962	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	-.011	5.5
79	MP4A	X	-21.962	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	.011	.5
82	MP4A	X	-21.962	5.5
83	MP4A	Z	0	5.5
84	MP4A	Mx	.011	5.5
85	MP4C	X	-32.073	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	-.004	.5
88	MP4C	X	-32.073	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	-.004	5.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.655	.5
2	MP1A	Z	-16.544	.5
3	MP1A	Mx	-.006	.5
4	MP1A	X	-28.655	5.5
5	MP1A	Z	-16.544	5.5
6	MP1A	Mx	-.006	5.5
7	MP1C	X	-28.655	.5
8	MP1C	Z	-16.544	.5
9	MP1C	Mx	-.029	.5
10	MP1C	X	-28.655	5.5
11	MP1C	Z	-16.544	5.5
12	MP1C	Mx	-.029	5.5
13	MP1A	X	-28.655	.5
14	MP1A	Z	-16.544	.5
15	MP1A	Mx	.029	.5
16	MP1A	X	-28.655	5.5
17	MP1A	Z	-16.544	5.5
18	MP1A	Mx	.029	5.5
19	MP1C	X	-28.655	.5
20	MP1C	Z	-16.544	.5
21	MP1C	Mx	.006	.5
22	MP1C	X	-28.655	5.5
23	MP1C	Z	-16.544	5.5
24	MP1C	Mx	.006	5.5
25	MP5B	X	-28.655	.5
26	MP5B	Z	-16.544	.5
27	MP5B	Mx	.006	.5
28	MP5B	X	-28.655	5.5
29	MP5B	Z	-16.544	5.5
30	MP5B	Mx	.006	5.5
31	MP5B	X	-28.655	.5
32	MP5B	Z	-16.544	.5
33	MP5B	Mx	-.029	.5
34	MP5B	X	-28.655	5.5
35	MP5B	Z	-16.544	5.5
36	MP5B	Mx	-.029	5.5
37	MP3A	X	-11.461	2
38	MP3A	Z	-6.617	2
39	MP3A	Mx	.005	2
40	MP3A	X	-11.461	4
41	MP3A	Z	-6.617	4
42	MP3A	Mx	.005	4
43	MP3B	X	-11.461	2
44	MP3B	Z	-6.617	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-11.461	4
47	MP3B	Z	-6.617	4
48	MP3B	Mx	-.005	4
49	MP3C	X	-11.461	2
50	MP3C	Z	-6.617	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-11.461	4
53	MP3C	Z	-6.617	4
54	MP3C	Mx	-.005	4
55	MP2A	X	-11.473	2.5
56	MP2A	Z	-6.624	2.5
57	MP2A	Mx	-.005	2.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2C	X	-11.473	2.5
59	MP2C	Z	-6.624	2.5
60	MP2C	Mx	.005	2.5
61	MP4B	X	-11.473	2.5
62	MP4B	Z	-6.624	2.5
63	MP4B	Mx	.005	2.5
64	MP1A	X	-11.101	2.5
65	MP1A	Z	-6.409	2.5
66	MP1A	Mx	-.005	2.5
67	MP1C	X	-11.101	2.5
68	MP1C	Z	-6.409	2.5
69	MP1C	Mx	.005	2.5
70	MP2B	X	-11.101	2.5
71	MP2B	Z	-6.409	2.5
72	MP2B	Mx	.005	2.5
73	MP1B	X	-23.398	.5
74	MP1B	Z	-13.509	.5
75	MP1B	Mx	-.01	.5
76	MP1B	X	-23.398	5.5
77	MP1B	Z	-13.509	5.5
78	MP1B	Mx	-.01	5.5
79	MP4A	X	-23.398	.5
80	MP4A	Z	-13.509	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	-23.398	5.5
83	MP4A	Z	-13.509	5.5
84	MP4A	Mx	.01	5.5
85	MP4C	X	-23.398	.5
86	MP4C	Z	-13.509	.5
87	MP4C	Mx	-.01	.5
88	MP4C	X	-23.398	5.5
89	MP4C	Z	-13.509	5.5
90	MP4C	Mx	-.01	5.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-18.533	.5
2	MP1A	Z	-32.101	.5
3	MP1A	Mx	-.022	.5
4	MP1A	X	-18.533	5.5
5	MP1A	Z	-32.101	5.5
6	MP1A	Mx	-.022	5.5
7	MP1C	X	-14.555	.5
8	MP1C	Z	-25.209	.5
9	MP1C	Mx	-.02	.5
10	MP1C	X	-14.555	5.5
11	MP1C	Z	-25.209	5.5
12	MP1C	Mx	-.02	5.5
13	MP1A	X	-18.533	.5
14	MP1A	Z	-32.101	.5
15	MP1A	Mx	.032	.5
16	MP1A	X	-18.533	5.5
17	MP1A	Z	-32.101	5.5
18	MP1A	Mx	.032	5.5
19	MP1C	X	-14.555	.5
20	MP1C	Z	-25.209	.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1C	Mx	-.008	.5
22	MP1C	X	-14.555	5.5
23	MP1C	Z	-25.209	5.5
24	MP1C	Mx	-.008	5.5
25	MP5B	X	-18.533	.5
26	MP5B	Z	-32.101	.5
27	MP5B	Mx	.022	.5
28	MP5B	X	-18.533	5.5
29	MP5B	Z	-32.101	5.5
30	MP5B	Mx	.022	5.5
31	MP5B	X	-18.533	.5
32	MP5B	Z	-32.101	.5
33	MP5B	Mx	-.032	.5
34	MP5B	X	-18.533	5.5
35	MP5B	Z	-32.101	5.5
36	MP5B	Mx	-.032	5.5
37	MP3A	X	-8.93	2
38	MP3A	Z	-15.466	2
39	MP3A	Mx	.002	2
40	MP3A	X	-8.93	4
41	MP3A	Z	-15.466	4
42	MP3A	Mx	.002	4
43	MP3B	X	-8.93	2
44	MP3B	Z	-15.466	2
45	MP3B	Mx	-.002	2
46	MP3B	X	-8.93	4
47	MP3B	Z	-15.466	4
48	MP3B	Mx	-.002	4
49	MP3C	X	-4.305	2
50	MP3C	Z	-7.456	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-4.305	4
53	MP3C	Z	-7.456	4
54	MP3C	Mx	-.004	4
55	MP2A	X	-7.656	2.5
56	MP2A	Z	-13.261	2.5
57	MP2A	Mx	-.002	2.5
58	MP2C	X	-5.591	2.5
59	MP2C	Z	-9.684	2.5
60	MP2C	Mx	.005	2.5
61	MP4B	X	-7.656	2.5
62	MP4B	Z	-13.261	2.5
63	MP4B	Mx	.002	2.5
64	MP1A	X	-7.628	2.5
65	MP1A	Z	-13.212	2.5
66	MP1A	Mx	-.002	2.5
67	MP1C	X	-5.191	2.5
68	MP1C	Z	-8.99	2.5
69	MP1C	Mx	.005	2.5
70	MP2B	X	-7.628	2.5
71	MP2B	Z	-13.212	2.5
72	MP2B	Mx	.002	2.5
73	MP1B	X	-16.036	.5
74	MP1B	Z	-27.776	.5
75	MP1B	Mx	-.004	.5
76	MP1B	X	-16.036	5.5
77	MP1B	Z	-27.776	5.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1B	Mx	-.004	5.5
79	MP4A	X	-16.036	.5
80	MP4A	Z	-27.776	.5
81	MP4A	Mx	.004	.5
82	MP4A	X	-16.036	5.5
83	MP4A	Z	-27.776	5.5
84	MP4A	Mx	.004	5.5
85	MP4C	X	-10.981	.5
86	MP4C	Z	-19.02	.5
87	MP4C	Mx	-.011	.5
88	MP4C	X	-10.981	5.5
89	MP4C	Z	-19.02	5.5
90	MP4C	Mx	-.011	5.5

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-12.254	.5
3	MP1A	Mx	-.01	.5
4	MP1A	X	0	5.5
5	MP1A	Z	-12.254	5.5
6	MP1A	Mx	-.01	5.5
7	MP1C	X	0	.5
8	MP1C	Z	-9.484	.5
9	MP1C	Mx	-.003	.5
10	MP1C	X	0	5.5
11	MP1C	Z	-9.484	5.5
12	MP1C	Mx	-.003	5.5
13	MP1A	X	0	.5
14	MP1A	Z	-12.254	.5
15	MP1A	Mx	.007	.5
16	MP1A	X	0	5.5
17	MP1A	Z	-12.254	5.5
18	MP1A	Mx	.007	5.5
19	MP1C	X	0	.5
20	MP1C	Z	-9.484	.5
21	MP1C	Mx	-.006	.5
22	MP1C	X	0	5.5
23	MP1C	Z	-9.484	5.5
24	MP1C	Mx	-.006	5.5
25	MP5B	X	0	.5
26	MP5B	Z	-12.254	.5
27	MP5B	Mx	.01	.5
28	MP5B	X	0	5.5
29	MP5B	Z	-12.254	5.5
30	MP5B	Mx	.01	5.5
31	MP5B	X	0	.5
32	MP5B	Z	-12.254	.5
33	MP5B	Mx	-.007	.5
34	MP5B	X	0	5.5
35	MP5B	Z	-12.254	5.5
36	MP5B	Mx	-.007	5.5
37	MP3A	X	0	2
38	MP3A	Z	-5.695	2
39	MP3A	Mx	-.000737	2
40	MP3A	X	0	4

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-5.695	4
42	MP3A	Mx	-.000737	4
43	MP3B	X	0	2
44	MP3B	Z	-5.695	2
45	MP3B	Mx	.000737	2
46	MP3B	X	0	4
47	MP3B	Z	-5.695	4
48	MP3B	Mx	.000737	4
49	MP3C	X	0	2
50	MP3C	Z	-2.566	2
51	MP3C	Mx	-.001	2
52	MP3C	X	0	4
53	MP3C	Z	-2.566	4
54	MP3C	Mx	-.001	4
55	MP2A	X	0	2.5
56	MP2A	Z	-4.62	2.5
57	MP2A	Mx	.000598	2.5
58	MP2C	X	0	2.5
59	MP2C	Z	-3.263	2.5
60	MP2C	Mx	.002	2.5
61	MP4B	X	0	2.5
62	MP4B	Z	-4.62	2.5
63	MP4B	Mx	-.000598	2.5
64	MP1A	X	0	2.5
65	MP1A	Z	-4.6	2.5
66	MP1A	Mx	.000595	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-2.998	2.5
69	MP1C	Mx	.001	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-4.6	2.5
72	MP2B	Mx	-.000595	2.5
73	MP1B	X	0	.5
74	MP1B	Z	-10.521	.5
75	MP1B	Mx	.001	.5
76	MP1B	X	0	5.5
77	MP1B	Z	-10.521	5.5
78	MP1B	Mx	.001	5.5
79	MP4A	X	0	.5
80	MP4A	Z	-10.521	.5
81	MP4A	Mx	-.001	.5
82	MP4A	X	0	5.5
83	MP4A	Z	-10.521	5.5
84	MP4A	Mx	-.001	5.5
85	MP4C	X	0	.5
86	MP4C	Z	-6.903	.5
87	MP4C	Mx	-.003	.5
88	MP4C	X	0	5.5
89	MP4C	Z	-6.903	5.5
90	MP4C	Mx	-.003	5.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	5.434	.5
2	MP1A	Z	-9.413	.5
3	MP1A	Mx	-.01	.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	5.434	5.5
5	MP1A	Z	-9.413	5.5
6	MP1A	Mx	-.01	5.5
7	MP1C	X	5.434	.5
8	MP1C	Z	-9.413	.5
9	MP1C	Mx	.002	.5
10	MP1C	X	5.434	5.5
11	MP1C	Z	-9.413	5.5
12	MP1C	Mx	.002	5.5
13	MP1A	X	5.434	.5
14	MP1A	Z	-9.413	.5
15	MP1A	Mx	.002	.5
16	MP1A	X	5.434	5.5
17	MP1A	Z	-9.413	5.5
18	MP1A	Mx	.002	5.5
19	MP1C	X	5.434	.5
20	MP1C	Z	-9.413	.5
21	MP1C	Mx	-.01	.5
22	MP1C	X	5.434	5.5
23	MP1C	Z	-9.413	5.5
24	MP1C	Mx	-.01	5.5
25	MP5B	X	5.434	.5
26	MP5B	Z	-9.413	.5
27	MP5B	Mx	.01	.5
28	MP5B	X	5.434	5.5
29	MP5B	Z	-9.413	5.5
30	MP5B	Mx	.01	5.5
31	MP5B	X	5.434	.5
32	MP5B	Z	-9.413	.5
33	MP5B	Mx	-.002	.5
34	MP5B	X	5.434	5.5
35	MP5B	Z	-9.413	5.5
36	MP5B	Mx	-.002	5.5
37	MP3A	X	2.065	2
38	MP3A	Z	-3.577	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.065	4
41	MP3A	Z	-3.577	4
42	MP3A	Mx	-.001	4
43	MP3B	X	2.065	2
44	MP3B	Z	-3.577	2
45	MP3B	Mx	.001	2
46	MP3B	X	2.065	4
47	MP3B	Z	-3.577	4
48	MP3B	Mx	.001	4
49	MP3C	X	2.065	2
50	MP3C	Z	-3.577	2
51	MP3C	Mx	-.001	2
52	MP3C	X	2.065	4
53	MP3C	Z	-3.577	4
54	MP3C	Mx	-.001	4
55	MP2A	X	1.971	2.5
56	MP2A	Z	-3.413	2.5
57	MP2A	Mx	.001	2.5
58	MP2C	X	1.971	2.5
59	MP2C	Z	-3.413	2.5
60	MP2C	Mx	.001	2.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4B	X	1.971	2.5
62	MP4B	Z	-3.413	2.5
63	MP4B	Mx	-.001	2.5
64	MP1A	X	1.9	2.5
65	MP1A	Z	-3.29	2.5
66	MP1A	Mx	.001	2.5
67	MP1C	X	1.9	2.5
68	MP1C	Z	-3.29	2.5
69	MP1C	Mx	.001	2.5
70	MP2B	X	1.9	2.5
71	MP2B	Z	-3.29	2.5
72	MP2B	Mx	-.001	2.5
73	MP1B	X	4.356	.5
74	MP1B	Z	-7.545	.5
75	MP1B	Mx	.003	.5
76	MP1B	X	4.356	5.5
77	MP1B	Z	-7.545	5.5
78	MP1B	Mx	.003	5.5
79	MP4A	X	4.356	.5
80	MP4A	Z	-7.545	.5
81	MP4A	Mx	-.003	.5
82	MP4A	X	4.356	5.5
83	MP4A	Z	-7.545	5.5
84	MP4A	Mx	-.003	5.5
85	MP4C	X	4.356	.5
86	MP4C	Z	-7.545	.5
87	MP4C	Mx	-.003	.5
88	MP4C	X	4.356	5.5
89	MP4C	Z	-7.545	5.5
90	MP4C	Mx	-.003	5.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.213	.5
2	MP1A	Z	-4.742	.5
3	MP1A	Mx	-.006	.5
4	MP1A	X	8.213	5.5
5	MP1A	Z	-4.742	5.5
6	MP1A	Mx	-.006	5.5
7	MP1C	X	10.612	.5
8	MP1C	Z	-6.127	.5
9	MP1C	Mx	.007	.5
10	MP1C	X	10.612	5.5
11	MP1C	Z	-6.127	5.5
12	MP1C	Mx	.007	5.5
13	MP1A	X	8.213	.5
14	MP1A	Z	-4.742	.5
15	MP1A	Mx	-.003	.5
16	MP1A	X	8.213	5.5
17	MP1A	Z	-4.742	5.5
18	MP1A	Mx	-.003	5.5
19	MP1C	X	10.612	.5
20	MP1C	Z	-6.127	.5
21	MP1C	Mx	-.01	.5
22	MP1C	X	10.612	5.5
23	MP1C	Z	-6.127	5.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1C	Mx	-.01	5.5
25	MP5B	X	8.213	.5
26	MP5B	Z	-4.742	.5
27	MP5B	Mx	.006	.5
28	MP5B	X	8.213	5.5
29	MP5B	Z	-4.742	5.5
30	MP5B	Mx	.006	5.5
31	MP5B	X	8.213	.5
32	MP5B	Z	-4.742	.5
33	MP5B	Mx	.003	.5
34	MP5B	X	8.213	5.5
35	MP5B	Z	-4.742	5.5
36	MP5B	Mx	.003	5.5
37	MP3A	X	2.223	2
38	MP3A	Z	-1.283	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.223	4
41	MP3A	Z	-1.283	4
42	MP3A	Mx	-.001	4
43	MP3B	X	2.223	2
44	MP3B	Z	-1.283	2
45	MP3B	Mx	.001	2
46	MP3B	X	2.223	4
47	MP3B	Z	-1.283	4
48	MP3B	Mx	.001	4
49	MP3C	X	4.932	2
50	MP3C	Z	-2.848	2
51	MP3C	Mx	-.000737	2
52	MP3C	X	4.932	4
53	MP3C	Z	-2.848	4
54	MP3C	Mx	-.000737	4
55	MP2A	X	2.826	2.5
56	MP2A	Z	-1.631	2.5
57	MP2A	Mx	.002	2.5
58	MP2C	X	4.001	2.5
59	MP2C	Z	-2.31	2.5
60	MP2C	Mx	.000598	2.5
61	MP4B	X	2.826	2.5
62	MP4B	Z	-1.631	2.5
63	MP4B	Mx	-.002	2.5
64	MP1A	X	2.596	2.5
65	MP1A	Z	-1.499	2.5
66	MP1A	Mx	.001	2.5
67	MP1C	X	3.984	2.5
68	MP1C	Z	-2.3	2.5
69	MP1C	Mx	.000595	2.5
70	MP2B	X	2.596	2.5
71	MP2B	Z	-1.499	2.5
72	MP2B	Mx	-.001	2.5
73	MP1B	X	5.978	.5
74	MP1B	Z	-3.451	.5
75	MP1B	Mx	.003	.5
76	MP1B	X	5.978	5.5
77	MP1B	Z	-3.451	5.5
78	MP1B	Mx	.003	5.5
79	MP4A	X	5.978	.5
80	MP4A	Z	-3.451	.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4A	Mx	-.003	.5
82	MP4A	X	5.978	5.5
83	MP4A	Z	-3.451	5.5
84	MP4A	Mx	-.003	5.5
85	MP4C	X	9.111	.5
86	MP4C	Z	-5.26	.5
87	MP4C	Mx	-.001	.5
88	MP4C	X	9.111	5.5
89	MP4C	Z	-5.26	5.5
90	MP4C	Mx	-.001	5.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.484	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	9.484	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	-.003	5.5
7	MP1C	X	12.254	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	.01	.5
10	MP1C	X	12.254	5.5
11	MP1C	Z	0	5.5
12	MP1C	Mx	.01	5.5
13	MP1A	X	9.484	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	-.006	.5
16	MP1A	X	9.484	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	-.006	5.5
19	MP1C	X	12.254	.5
20	MP1C	Z	0	.5
21	MP1C	Mx	-.007	.5
22	MP1C	X	12.254	5.5
23	MP1C	Z	0	5.5
24	MP1C	Mx	-.007	5.5
25	MP5B	X	9.484	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	.003	.5
28	MP5B	X	9.484	5.5
29	MP5B	Z	0	5.5
30	MP5B	Mx	.003	5.5
31	MP5B	X	9.484	.5
32	MP5B	Z	0	.5
33	MP5B	Mx	.006	.5
34	MP5B	X	9.484	5.5
35	MP5B	Z	0	5.5
36	MP5B	Mx	.006	5.5
37	MP3A	X	2.566	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.566	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.001	4
43	MP3B	X	2.566	2

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	0	2
45	MP3B	Mx	.001	2
46	MP3B	X	2.566	4
47	MP3B	Z	0	4
48	MP3B	Mx	.001	4
49	MP3C	X	5.695	2
50	MP3C	Z	0	2
51	MP3C	Mx	.000737	2
52	MP3C	X	5.695	4
53	MP3C	Z	0	4
54	MP3C	Mx	.000737	4
55	MP2A	X	3.263	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	.002	2.5
58	MP2C	X	4.62	2.5
59	MP2C	Z	0	2.5
60	MP2C	Mx	-.000598	2.5
61	MP4B	X	3.263	2.5
62	MP4B	Z	0	2.5
63	MP4B	Mx	-.002	2.5
64	MP1A	X	2.998	2.5
65	MP1A	Z	0	2.5
66	MP1A	Mx	.001	2.5
67	MP1C	X	4.6	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.000595	2.5
70	MP2B	X	2.998	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	-.001	2.5
73	MP1B	X	6.903	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	.003	.5
76	MP1B	X	6.903	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	.003	5.5
79	MP4A	X	6.903	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	-.003	.5
82	MP4A	X	6.903	5.5
83	MP4A	Z	0	5.5
84	MP4A	Mx	-.003	5.5
85	MP4C	X	10.521	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	.001	.5
88	MP4C	X	10.521	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	.001	5.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.413	.5
2	MP1A	Z	5.434	.5
3	MP1A	Mx	.002	.5
4	MP1A	X	9.413	5.5
5	MP1A	Z	5.434	5.5
6	MP1A	Mx	.002	5.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1C	X	9.413	.5
8	MP1C	Z	5.434	.5
9	MP1C	Mx	.01	.5
10	MP1C	X	9.413	5.5
11	MP1C	Z	5.434	5.5
12	MP1C	Mx	.01	5.5
13	MP1A	X	9.413	.5
14	MP1A	Z	5.434	.5
15	MP1A	Mx	-.01	.5
16	MP1A	X	9.413	5.5
17	MP1A	Z	5.434	5.5
18	MP1A	Mx	-.01	5.5
19	MP1C	X	9.413	.5
20	MP1C	Z	5.434	.5
21	MP1C	Mx	-.002	.5
22	MP1C	X	9.413	5.5
23	MP1C	Z	5.434	5.5
24	MP1C	Mx	-.002	5.5
25	MP5B	X	9.413	.5
26	MP5B	Z	5.434	.5
27	MP5B	Mx	-.002	.5
28	MP5B	X	9.413	5.5
29	MP5B	Z	5.434	5.5
30	MP5B	Mx	-.002	5.5
31	MP5B	X	9.413	.5
32	MP5B	Z	5.434	.5
33	MP5B	Mx	.01	.5
34	MP5B	X	9.413	5.5
35	MP5B	Z	5.434	5.5
36	MP5B	Mx	.01	5.5
37	MP3A	X	3.577	2
38	MP3A	Z	2.065	2
39	MP3A	Mx	-.001	2
40	MP3A	X	3.577	4
41	MP3A	Z	2.065	4
42	MP3A	Mx	-.001	4
43	MP3B	X	3.577	2
44	MP3B	Z	2.065	2
45	MP3B	Mx	.001	2
46	MP3B	X	3.577	4
47	MP3B	Z	2.065	4
48	MP3B	Mx	.001	4
49	MP3C	X	3.577	2
50	MP3C	Z	2.065	2
51	MP3C	Mx	.001	2
52	MP3C	X	3.577	4
53	MP3C	Z	2.065	4
54	MP3C	Mx	.001	4
55	MP2A	X	3.413	2.5
56	MP2A	Z	1.971	2.5
57	MP2A	Mx	.001	2.5
58	MP2C	X	3.413	2.5
59	MP2C	Z	1.971	2.5
60	MP2C	Mx	-.001	2.5
61	MP4B	X	3.413	2.5
62	MP4B	Z	1.971	2.5
63	MP4B	Mx	-.001	2.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1A	X	3.29	2.5
65	MP1A	Z	1.9	2.5
66	MP1A	Mx	.001	2.5
67	MP1C	X	3.29	2.5
68	MP1C	Z	1.9	2.5
69	MP1C	Mx	-.001	2.5
70	MP2B	X	3.29	2.5
71	MP2B	Z	1.9	2.5
72	MP2B	Mx	-.001	2.5
73	MP1B	X	7.545	.5
74	MP1B	Z	4.356	.5
75	MP1B	Mx	.003	.5
76	MP1B	X	7.545	5.5
77	MP1B	Z	4.356	5.5
78	MP1B	Mx	.003	5.5
79	MP4A	X	7.545	.5
80	MP4A	Z	4.356	.5
81	MP4A	Mx	-.003	.5
82	MP4A	X	7.545	5.5
83	MP4A	Z	4.356	5.5
84	MP4A	Mx	-.003	5.5
85	MP4C	X	7.545	.5
86	MP4C	Z	4.356	.5
87	MP4C	Mx	.003	.5
88	MP4C	X	7.545	5.5
89	MP4C	Z	4.356	5.5
90	MP4C	Mx	.003	5.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.127	.5
2	MP1A	Z	10.612	.5
3	MP1A	Mx	.007	.5
4	MP1A	X	6.127	5.5
5	MP1A	Z	10.612	5.5
6	MP1A	Mx	.007	5.5
7	MP1C	X	4.742	.5
8	MP1C	Z	8.213	.5
9	MP1C	Mx	.006	.5
10	MP1C	X	4.742	5.5
11	MP1C	Z	8.213	5.5
12	MP1C	Mx	.006	5.5
13	MP1A	X	6.127	.5
14	MP1A	Z	10.612	.5
15	MP1A	Mx	-.01	.5
16	MP1A	X	6.127	5.5
17	MP1A	Z	10.612	5.5
18	MP1A	Mx	-.01	5.5
19	MP1C	X	4.742	.5
20	MP1C	Z	8.213	.5
21	MP1C	Mx	.003	.5
22	MP1C	X	4.742	5.5
23	MP1C	Z	8.213	5.5
24	MP1C	Mx	.003	5.5
25	MP5B	X	6.127	.5
26	MP5B	Z	10.612	.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP5B	Mx	-.007	.5
28	MP5B	X	6.127	5.5
29	MP5B	Z	10.612	5.5
30	MP5B	Mx	-.007	5.5
31	MP5B	X	6.127	.5
32	MP5B	Z	10.612	.5
33	MP5B	Mx	.01	.5
34	MP5B	X	6.127	5.5
35	MP5B	Z	10.612	5.5
36	MP5B	Mx	.01	5.5
37	MP3A	X	2.848	2
38	MP3A	Z	4.932	2
39	MP3A	Mx	-.000737	2
40	MP3A	X	2.848	4
41	MP3A	Z	4.932	4
42	MP3A	Mx	-.000737	4
43	MP3B	X	2.848	2
44	MP3B	Z	4.932	2
45	MP3B	Mx	.000737	2
46	MP3B	X	2.848	4
47	MP3B	Z	4.932	4
48	MP3B	Mx	.000737	4
49	MP3C	X	1.283	2
50	MP3C	Z	2.223	2
51	MP3C	Mx	.001	2
52	MP3C	X	1.283	4
53	MP3C	Z	2.223	4
54	MP3C	Mx	.001	4
55	MP2A	X	2.31	2.5
56	MP2A	Z	4.001	2.5
57	MP2A	Mx	.000598	2.5
58	MP2C	X	1.631	2.5
59	MP2C	Z	2.826	2.5
60	MP2C	Mx	-.002	2.5
61	MP4B	X	2.31	2.5
62	MP4B	Z	4.001	2.5
63	MP4B	Mx	-.000598	2.5
64	MP1A	X	2.3	2.5
65	MP1A	Z	3.984	2.5
66	MP1A	Mx	.000595	2.5
67	MP1C	X	1.499	2.5
68	MP1C	Z	2.596	2.5
69	MP1C	Mx	-.001	2.5
70	MP2B	X	2.3	2.5
71	MP2B	Z	3.984	2.5
72	MP2B	Mx	-.000595	2.5
73	MP1B	X	5.26	.5
74	MP1B	Z	9.111	.5
75	MP1B	Mx	.001	.5
76	MP1B	X	5.26	5.5
77	MP1B	Z	9.111	5.5
78	MP1B	Mx	.001	5.5
79	MP4A	X	5.26	.5
80	MP4A	Z	9.111	.5
81	MP4A	Mx	-.001	.5
82	MP4A	X	5.26	5.5
83	MP4A	Z	9.111	5.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP4A	Mx	-.001	5.5
85	MP4C	X	3.451	.5
86	MP4C	Z	5.978	.5
87	MP4C	Mx	.003	.5
88	MP4C	X	3.451	5.5
89	MP4C	Z	5.978	5.5
90	MP4C	Mx	.003	5.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	12.254	.5
3	MP1A	Mx	.01	.5
4	MP1A	X	0	5.5
5	MP1A	Z	12.254	5.5
6	MP1A	Mx	.01	5.5
7	MP1C	X	0	.5
8	MP1C	Z	9.484	.5
9	MP1C	Mx	.003	.5
10	MP1C	X	0	5.5
11	MP1C	Z	9.484	5.5
12	MP1C	Mx	.003	5.5
13	MP1A	X	0	.5
14	MP1A	Z	12.254	.5
15	MP1A	Mx	-.007	.5
16	MP1A	X	0	5.5
17	MP1A	Z	12.254	5.5
18	MP1A	Mx	-.007	5.5
19	MP1C	X	0	.5
20	MP1C	Z	9.484	.5
21	MP1C	Mx	.006	.5
22	MP1C	X	0	5.5
23	MP1C	Z	9.484	5.5
24	MP1C	Mx	.006	5.5
25	MP5B	X	0	.5
26	MP5B	Z	12.254	.5
27	MP5B	Mx	-.01	.5
28	MP5B	X	0	5.5
29	MP5B	Z	12.254	5.5
30	MP5B	Mx	-.01	5.5
31	MP5B	X	0	.5
32	MP5B	Z	12.254	.5
33	MP5B	Mx	.007	.5
34	MP5B	X	0	5.5
35	MP5B	Z	12.254	5.5
36	MP5B	Mx	.007	5.5
37	MP3A	X	0	2
38	MP3A	Z	5.695	2
39	MP3A	Mx	.000737	2
40	MP3A	X	0	4
41	MP3A	Z	5.695	4
42	MP3A	Mx	.000737	4
43	MP3B	X	0	2
44	MP3B	Z	5.695	2
45	MP3B	Mx	-.000737	2
46	MP3B	X	0	4

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	5.695	4
48	MP3B	Mx	-.000737	4
49	MP3C	X	0	2
50	MP3C	Z	2.566	2
51	MP3C	Mx	.001	2
52	MP3C	X	0	4
53	MP3C	Z	2.566	4
54	MP3C	Mx	.001	4
55	MP2A	X	0	2.5
56	MP2A	Z	4.62	2.5
57	MP2A	Mx	-.000598	2.5
58	MP2C	X	0	2.5
59	MP2C	Z	3.263	2.5
60	MP2C	Mx	-.002	2.5
61	MP4B	X	0	2.5
62	MP4B	Z	4.62	2.5
63	MP4B	Mx	.000598	2.5
64	MP1A	X	0	2.5
65	MP1A	Z	4.6	2.5
66	MP1A	Mx	-.000595	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	2.998	2.5
69	MP1C	Mx	-.001	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	4.6	2.5
72	MP2B	Mx	.000595	2.5
73	MP1B	X	0	.5
74	MP1B	Z	10.521	.5
75	MP1B	Mx	-.001	.5
76	MP1B	X	0	5.5
77	MP1B	Z	10.521	5.5
78	MP1B	Mx	-.001	5.5
79	MP4A	X	0	.5
80	MP4A	Z	10.521	.5
81	MP4A	Mx	.001	.5
82	MP4A	X	0	5.5
83	MP4A	Z	10.521	5.5
84	MP4A	Mx	.001	5.5
85	MP4C	X	0	.5
86	MP4C	Z	6.903	.5
87	MP4C	Mx	.003	.5
88	MP4C	X	0	5.5
89	MP4C	Z	6.903	5.5
90	MP4C	Mx	.003	5.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-5.434	.5
2	MP1A	Z	9.413	.5
3	MP1A	Mx	.01	.5
4	MP1A	X	-5.434	5.5
5	MP1A	Z	9.413	5.5
6	MP1A	Mx	.01	5.5
7	MP1C	X	-5.434	.5
8	MP1C	Z	9.413	.5
9	MP1C	Mx	-.002	.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP1C	X	-5.434	5.5
11	MP1C	Z	9.413	5.5
12	MP1C	Mx	-.002	5.5
13	MP1A	X	-5.434	.5
14	MP1A	Z	9.413	.5
15	MP1A	Mx	-.002	.5
16	MP1A	X	-5.434	5.5
17	MP1A	Z	9.413	5.5
18	MP1A	Mx	-.002	5.5
19	MP1C	X	-5.434	.5
20	MP1C	Z	9.413	.5
21	MP1C	Mx	.01	.5
22	MP1C	X	-5.434	5.5
23	MP1C	Z	9.413	5.5
24	MP1C	Mx	.01	5.5
25	MP5B	X	-5.434	.5
26	MP5B	Z	9.413	.5
27	MP5B	Mx	-.01	.5
28	MP5B	X	-5.434	5.5
29	MP5B	Z	9.413	5.5
30	MP5B	Mx	-.01	5.5
31	MP5B	X	-5.434	.5
32	MP5B	Z	9.413	.5
33	MP5B	Mx	.002	.5
34	MP5B	X	-5.434	5.5
35	MP5B	Z	9.413	5.5
36	MP5B	Mx	.002	5.5
37	MP3A	X	-2.065	2
38	MP3A	Z	3.577	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.065	4
41	MP3A	Z	3.577	4
42	MP3A	Mx	.001	4
43	MP3B	X	-2.065	2
44	MP3B	Z	3.577	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-2.065	4
47	MP3B	Z	3.577	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-2.065	2
50	MP3C	Z	3.577	2
51	MP3C	Mx	.001	2
52	MP3C	X	-2.065	4
53	MP3C	Z	3.577	4
54	MP3C	Mx	.001	4
55	MP2A	X	-1.971	2.5
56	MP2A	Z	3.413	2.5
57	MP2A	Mx	-.001	2.5
58	MP2C	X	-1.971	2.5
59	MP2C	Z	3.413	2.5
60	MP2C	Mx	-.001	2.5
61	MP4B	X	-1.971	2.5
62	MP4B	Z	3.413	2.5
63	MP4B	Mx	.001	2.5
64	MP1A	X	-1.9	2.5
65	MP1A	Z	3.29	2.5
66	MP1A	Mx	-.001	2.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	-1.9	2.5
68	MP1C	Z	3.29	2.5
69	MP1C	Mx	-.001	2.5
70	MP2B	X	-1.9	2.5
71	MP2B	Z	3.29	2.5
72	MP2B	Mx	.001	2.5
73	MP1B	X	-4.356	.5
74	MP1B	Z	7.545	.5
75	MP1B	Mx	-.003	.5
76	MP1B	X	-4.356	5.5
77	MP1B	Z	7.545	5.5
78	MP1B	Mx	-.003	5.5
79	MP4A	X	-4.356	.5
80	MP4A	Z	7.545	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	-4.356	5.5
83	MP4A	Z	7.545	5.5
84	MP4A	Mx	.003	5.5
85	MP4C	X	-4.356	.5
86	MP4C	Z	7.545	.5
87	MP4C	Mx	.003	.5
88	MP4C	X	-4.356	5.5
89	MP4C	Z	7.545	5.5
90	MP4C	Mx	.003	5.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.213	.5
2	MP1A	Z	4.742	.5
3	MP1A	Mx	.006	.5
4	MP1A	X	-8.213	5.5
5	MP1A	Z	4.742	5.5
6	MP1A	Mx	.006	5.5
7	MP1C	X	-10.612	.5
8	MP1C	Z	6.127	.5
9	MP1C	Mx	-.007	.5
10	MP1C	X	-10.612	5.5
11	MP1C	Z	6.127	5.5
12	MP1C	Mx	-.007	5.5
13	MP1A	X	-8.213	.5
14	MP1A	Z	4.742	.5
15	MP1A	Mx	.003	.5
16	MP1A	X	-8.213	5.5
17	MP1A	Z	4.742	5.5
18	MP1A	Mx	.003	5.5
19	MP1C	X	-10.612	.5
20	MP1C	Z	6.127	.5
21	MP1C	Mx	.01	.5
22	MP1C	X	-10.612	5.5
23	MP1C	Z	6.127	5.5
24	MP1C	Mx	.01	5.5
25	MP5B	X	-8.213	.5
26	MP5B	Z	4.742	.5
27	MP5B	Mx	-.006	.5
28	MP5B	X	-8.213	5.5
29	MP5B	Z	4.742	5.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP5B	Mx	-.006	5.5
31	MP5B	X	-8.213	.5
32	MP5B	Z	4.742	.5
33	MP5B	Mx	-.003	.5
34	MP5B	X	-8.213	5.5
35	MP5B	Z	4.742	5.5
36	MP5B	Mx	-.003	5.5
37	MP3A	X	-2.223	2
38	MP3A	Z	1.283	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.223	4
41	MP3A	Z	1.283	4
42	MP3A	Mx	.001	4
43	MP3B	X	-2.223	2
44	MP3B	Z	1.283	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-2.223	4
47	MP3B	Z	1.283	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-4.932	2
50	MP3C	Z	2.848	2
51	MP3C	Mx	.000737	2
52	MP3C	X	-4.932	4
53	MP3C	Z	2.848	4
54	MP3C	Mx	.000737	4
55	MP2A	X	-2.826	2.5
56	MP2A	Z	1.631	2.5
57	MP2A	Mx	-.002	2.5
58	MP2C	X	-4.001	2.5
59	MP2C	Z	2.31	2.5
60	MP2C	Mx	-.000598	2.5
61	MP4B	X	-2.826	2.5
62	MP4B	Z	1.631	2.5
63	MP4B	Mx	.002	2.5
64	MP1A	X	-2.596	2.5
65	MP1A	Z	1.499	2.5
66	MP1A	Mx	-.001	2.5
67	MP1C	X	-3.984	2.5
68	MP1C	Z	2.3	2.5
69	MP1C	Mx	-.000595	2.5
70	MP2B	X	-2.596	2.5
71	MP2B	Z	1.499	2.5
72	MP2B	Mx	.001	2.5
73	MP1B	X	-5.978	.5
74	MP1B	Z	3.451	.5
75	MP1B	Mx	-.003	.5
76	MP1B	X	-5.978	5.5
77	MP1B	Z	3.451	5.5
78	MP1B	Mx	-.003	5.5
79	MP4A	X	-5.978	.5
80	MP4A	Z	3.451	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	-5.978	5.5
83	MP4A	Z	3.451	5.5
84	MP4A	Mx	.003	5.5
85	MP4C	X	-9.111	.5
86	MP4C	Z	5.26	.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4C	Mx	.001	.5
88	MP4C	X	-9.111	5.5
89	MP4C	Z	5.26	5.5
90	MP4C	Mx	.001	5.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.484	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-9.484	5.5
5	MP1A	Z	0	5.5
6	MP1A	Mx	.003	5.5
7	MP1C	X	-12.254	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	-.01	.5
10	MP1C	X	-12.254	5.5
11	MP1C	Z	0	5.5
12	MP1C	Mx	-.01	5.5
13	MP1A	X	-9.484	.5
14	MP1A	Z	0	.5
15	MP1A	Mx	.006	.5
16	MP1A	X	-9.484	5.5
17	MP1A	Z	0	5.5
18	MP1A	Mx	.006	5.5
19	MP1C	X	-12.254	.5
20	MP1C	Z	0	.5
21	MP1C	Mx	.007	.5
22	MP1C	X	-12.254	5.5
23	MP1C	Z	0	5.5
24	MP1C	Mx	.007	5.5
25	MP5B	X	-9.484	.5
26	MP5B	Z	0	.5
27	MP5B	Mx	-.003	.5
28	MP5B	X	-9.484	5.5
29	MP5B	Z	0	5.5
30	MP5B	Mx	-.003	5.5
31	MP5B	X	-9.484	.5
32	MP5B	Z	0	.5
33	MP5B	Mx	-.006	.5
34	MP5B	X	-9.484	5.5
35	MP5B	Z	0	5.5
36	MP5B	Mx	-.006	5.5
37	MP3A	X	-2.566	2
38	MP3A	Z	0	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.566	4
41	MP3A	Z	0	4
42	MP3A	Mx	.001	4
43	MP3B	X	-2.566	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-2.566	4
47	MP3B	Z	0	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-5.695	2

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	0	2
51	MP3C	Mx	-.000737	2
52	MP3C	X	-5.695	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.000737	4
55	MP2A	X	-3.263	2.5
56	MP2A	Z	0	2.5
57	MP2A	Mx	-.002	2.5
58	MP2C	X	-4.62	2.5
59	MP2C	Z	0	2.5
60	MP2C	Mx	.000598	2.5
61	MP4B	X	-3.263	2.5
62	MP4B	Z	0	2.5
63	MP4B	Mx	.002	2.5
64	MP1A	X	-2.998	2.5
65	MP1A	Z	0	2.5
66	MP1A	Mx	-.001	2.5
67	MP1C	X	-4.6	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.000595	2.5
70	MP2B	X	-2.998	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.001	2.5
73	MP1B	X	-6.903	.5
74	MP1B	Z	0	.5
75	MP1B	Mx	-.003	.5
76	MP1B	X	-6.903	5.5
77	MP1B	Z	0	5.5
78	MP1B	Mx	-.003	5.5
79	MP4A	X	-6.903	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	-6.903	5.5
83	MP4A	Z	0	5.5
84	MP4A	Mx	.003	5.5
85	MP4C	X	-10.521	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	-.001	.5
88	MP4C	X	-10.521	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	-.001	5.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.413	.5
2	MP1A	Z	-5.434	.5
3	MP1A	Mx	-.002	.5
4	MP1A	X	-9.413	5.5
5	MP1A	Z	-5.434	5.5
6	MP1A	Mx	-.002	5.5
7	MP1C	X	-9.413	.5
8	MP1C	Z	-5.434	.5
9	MP1C	Mx	-.01	.5
10	MP1C	X	-9.413	5.5
11	MP1C	Z	-5.434	5.5
12	MP1C	Mx	-.01	5.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	X	-9.413	.5
14	MP1A	Z	-5.434	.5
15	MP1A	Mx	.01	.5
16	MP1A	X	-9.413	5.5
17	MP1A	Z	-5.434	5.5
18	MP1A	Mx	.01	5.5
19	MP1C	X	-9.413	.5
20	MP1C	Z	-5.434	.5
21	MP1C	Mx	.002	.5
22	MP1C	X	-9.413	5.5
23	MP1C	Z	-5.434	5.5
24	MP1C	Mx	.002	5.5
25	MP5B	X	-9.413	.5
26	MP5B	Z	-5.434	.5
27	MP5B	Mx	.002	.5
28	MP5B	X	-9.413	5.5
29	MP5B	Z	-5.434	5.5
30	MP5B	Mx	.002	5.5
31	MP5B	X	-9.413	.5
32	MP5B	Z	-5.434	.5
33	MP5B	Mx	-.01	.5
34	MP5B	X	-9.413	5.5
35	MP5B	Z	-5.434	5.5
36	MP5B	Mx	-.01	5.5
37	MP3A	X	-3.577	2
38	MP3A	Z	-2.065	2
39	MP3A	Mx	.001	2
40	MP3A	X	-3.577	4
41	MP3A	Z	-2.065	4
42	MP3A	Mx	.001	4
43	MP3B	X	-3.577	2
44	MP3B	Z	-2.065	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-3.577	4
47	MP3B	Z	-2.065	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-3.577	2
50	MP3C	Z	-2.065	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-3.577	4
53	MP3C	Z	-2.065	4
54	MP3C	Mx	-.001	4
55	MP2A	X	-3.413	2.5
56	MP2A	Z	-1.971	2.5
57	MP2A	Mx	-.001	2.5
58	MP2C	X	-3.413	2.5
59	MP2C	Z	-1.971	2.5
60	MP2C	Mx	.001	2.5
61	MP4B	X	-3.413	2.5
62	MP4B	Z	-1.971	2.5
63	MP4B	Mx	.001	2.5
64	MP1A	X	-3.29	2.5
65	MP1A	Z	-1.9	2.5
66	MP1A	Mx	-.001	2.5
67	MP1C	X	-3.29	2.5
68	MP1C	Z	-1.9	2.5
69	MP1C	Mx	.001	2.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	-3.29	2.5
71	MP2B	Z	-1.9	2.5
72	MP2B	Mx	.001	2.5
73	MP1B	X	-7.545	.5
74	MP1B	Z	-4.356	.5
75	MP1B	Mx	-.003	.5
76	MP1B	X	-7.545	5.5
77	MP1B	Z	-4.356	5.5
78	MP1B	Mx	-.003	5.5
79	MP4A	X	-7.545	.5
80	MP4A	Z	-4.356	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	-7.545	5.5
83	MP4A	Z	-4.356	5.5
84	MP4A	Mx	.003	5.5
85	MP4C	X	-7.545	.5
86	MP4C	Z	-4.356	.5
87	MP4C	Mx	-.003	.5
88	MP4C	X	-7.545	5.5
89	MP4C	Z	-4.356	5.5
90	MP4C	Mx	-.003	5.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.127	.5
2	MP1A	Z	-10.612	.5
3	MP1A	Mx	-.007	.5
4	MP1A	X	-6.127	5.5
5	MP1A	Z	-10.612	5.5
6	MP1A	Mx	-.007	5.5
7	MP1C	X	-4.742	.5
8	MP1C	Z	-8.213	.5
9	MP1C	Mx	-.006	.5
10	MP1C	X	-4.742	5.5
11	MP1C	Z	-8.213	5.5
12	MP1C	Mx	-.006	5.5
13	MP1A	X	-6.127	.5
14	MP1A	Z	-10.612	.5
15	MP1A	Mx	.01	.5
16	MP1A	X	-6.127	5.5
17	MP1A	Z	-10.612	5.5
18	MP1A	Mx	.01	5.5
19	MP1C	X	-4.742	.5
20	MP1C	Z	-8.213	.5
21	MP1C	Mx	-.003	.5
22	MP1C	X	-4.742	5.5
23	MP1C	Z	-8.213	5.5
24	MP1C	Mx	-.003	5.5
25	MP5B	X	-6.127	.5
26	MP5B	Z	-10.612	.5
27	MP5B	Mx	.007	.5
28	MP5B	X	-6.127	5.5
29	MP5B	Z	-10.612	5.5
30	MP5B	Mx	.007	5.5
31	MP5B	X	-6.127	.5
32	MP5B	Z	-10.612	.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP5B	Mx	-.01	.5
34	MP5B	X	-6.127	5.5
35	MP5B	Z	-10.612	5.5
36	MP5B	Mx	-.01	5.5
37	MP3A	X	-2.848	2
38	MP3A	Z	-4.932	2
39	MP3A	Mx	.000737	2
40	MP3A	X	-2.848	4
41	MP3A	Z	-4.932	4
42	MP3A	Mx	.000737	4
43	MP3B	X	-2.848	2
44	MP3B	Z	-4.932	2
45	MP3B	Mx	-.000737	2
46	MP3B	X	-2.848	4
47	MP3B	Z	-4.932	4
48	MP3B	Mx	-.000737	4
49	MP3C	X	-1.283	2
50	MP3C	Z	-2.223	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-1.283	4
53	MP3C	Z	-2.223	4
54	MP3C	Mx	-.001	4
55	MP2A	X	-2.31	2.5
56	MP2A	Z	-4.001	2.5
57	MP2A	Mx	-.000598	2.5
58	MP2C	X	-1.631	2.5
59	MP2C	Z	-2.826	2.5
60	MP2C	Mx	.002	2.5
61	MP4B	X	-2.31	2.5
62	MP4B	Z	-4.001	2.5
63	MP4B	Mx	.000598	2.5
64	MP1A	X	-2.3	2.5
65	MP1A	Z	-3.984	2.5
66	MP1A	Mx	-.000595	2.5
67	MP1C	X	-1.499	2.5
68	MP1C	Z	-2.596	2.5
69	MP1C	Mx	.001	2.5
70	MP2B	X	-2.3	2.5
71	MP2B	Z	-3.984	2.5
72	MP2B	Mx	.000595	2.5
73	MP1B	X	-5.26	.5
74	MP1B	Z	-9.111	.5
75	MP1B	Mx	-.001	.5
76	MP1B	X	-5.26	5.5
77	MP1B	Z	-9.111	5.5
78	MP1B	Mx	-.001	5.5
79	MP4A	X	-5.26	.5
80	MP4A	Z	-9.111	.5
81	MP4A	Mx	.001	.5
82	MP4A	X	-5.26	5.5
83	MP4A	Z	-9.111	5.5
84	MP4A	Mx	.001	5.5
85	MP4C	X	-3.451	.5
86	MP4C	Z	-5.978	.5
87	MP4C	Mx	-.003	.5
88	MP4C	X	-3.451	5.5
89	MP4C	Z	-5.978	5.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4C	Mx	-.003	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%93

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M73	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	0	.5
2	MP1A	My	0	.5
3	MP1A	Mz	0	.5
4	MP1A	Y	0	5.5
5	MP1A	My	0	5.5
6	MP1A	Mz	0	5.5
7	MP1C	Y	0	.5
8	MP1C	My	0	.5
9	MP1C	Mz	0	.5
10	MP1C	Y	0	5.5
11	MP1C	My	0	5.5
12	MP1C	Mz	0	5.5
13	MP1A	Y	0	.5
14	MP1A	My	0	.5
15	MP1A	Mz	0	.5
16	MP1A	Y	0	5.5
17	MP1A	My	0	5.5
18	MP1A	Mz	0	5.5
19	MP1C	Y	0	.5
20	MP1C	My	0	.5
21	MP1C	Mz	0	.5
22	MP1C	Y	0	5.5
23	MP1C	My	0	5.5
24	MP1C	Mz	0	5.5
25	MP5B	Y	0	.5
26	MP5B	My	0	.5
27	MP5B	Mz	0	.5
28	MP5B	Y	0	5.5
29	MP5B	My	0	5.5
30	MP5B	Mz	0	5.5
31	MP5B	Y	0	.5
32	MP5B	My	0	.5
33	MP5B	Mz	0	.5
34	MP5B	Y	0	5.5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP5B	My	0	5.5
36	MP5B	Mz	0	5.5
37	MP3A	Y	0	2
38	MP3A	My	0	2
39	MP3A	Mz	0	2
40	MP3A	Y	0	4
41	MP3A	My	0	4
42	MP3A	Mz	0	4
43	MP3B	Y	0	2
44	MP3B	My	0	2
45	MP3B	Mz	0	2
46	MP3B	Y	0	4
47	MP3B	My	0	4
48	MP3B	Mz	0	4
49	MP3C	Y	0	2
50	MP3C	My	0	2
51	MP3C	Mz	0	2
52	MP3C	Y	0	4
53	MP3C	My	0	4
54	MP3C	Mz	0	4
55	MP2A	Y	0	2.5
56	MP2A	My	0	2.5
57	MP2A	Mz	0	2.5
58	MP2C	Y	0	2.5
59	MP2C	My	0	2.5
60	MP2C	Mz	0	2.5
61	MP4B	Y	0	2.5
62	MP4B	My	0	2.5
63	MP4B	Mz	0	2.5
64	MP1A	Y	0	2.5
65	MP1A	My	0	2.5
66	MP1A	Mz	0	2.5
67	MP1C	Y	0	2.5
68	MP1C	My	0	2.5
69	MP1C	Mz	0	2.5
70	MP2B	Y	0	2.5
71	MP2B	My	0	2.5
72	MP2B	Mz	0	2.5
73	MP1B	Y	0	.5
74	MP1B	My	0	.5
75	MP1B	Mz	0	.5
76	MP1B	Y	0	5.5
77	MP1B	My	0	5.5
78	MP1B	Mz	0	5.5
79	MP4A	Y	0	.5
80	MP4A	My	0	.5
81	MP4A	Mz	0	.5
82	MP4A	Y	0	5.5
83	MP4A	My	0	5.5
84	MP4A	Mz	0	5.5
85	MP4C	Y	0	.5
86	MP4C	My	0	.5
87	MP4C	Mz	0	.5
88	MP4C	Y	0	5.5
89	MP4C	My	0	5.5
90	MP4C	Mz	0	5.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-.69	.5
2	MP1A	Mx	-.000589	.5
3	MP1A	Z	-.69	5.5
4	MP1A	Mx	-.000589	5.5
5	MP1C	Z	-.69	.5
6	MP1C	Mx	-.000199	.5
7	MP1C	Z	-.69	5.5
8	MP1C	Mx	-.000199	5.5
9	MP1A	Z	-.69	.5
10	MP1A	Mx	.000411	.5
11	MP1A	Z	-.69	5.5
12	MP1A	Mx	.000411	5.5
13	MP1C	Z	-.69	.5
14	MP1C	Mx	-.000467	.5
15	MP1C	Z	-.69	5.5
16	MP1C	Mx	-.000467	5.5
17	MP5B	Z	-.69	.5
18	MP5B	Mx	.000589	.5
19	MP5B	Z	-.69	5.5
20	MP5B	Mx	.000589	5.5
21	MP5B	Z	-.69	.5
22	MP5B	Mx	-.000411	.5
23	MP5B	Z	-.69	5.5
24	MP5B	Mx	-.000411	5.5
25	MP3A	Z	-1.306	2
26	MP3A	Mx	-.000169	2
27	MP3A	Z	-1.306	4
28	MP3A	Mx	-.000169	4
29	MP3B	Z	-1.306	2
30	MP3B	Mx	.000169	2
31	MP3B	Z	-1.306	4
32	MP3B	Mx	.000169	4
33	MP3C	Z	-1.306	2
34	MP3C	Mx	-.000631	2
35	MP3C	Z	-1.306	4
36	MP3C	Mx	-.000631	4
37	MP2A	Z	-2.241	2.5
38	MP2A	Mx	.00029	2.5
39	MP2C	Z	-2.241	2.5
40	MP2C	Mx	.001	2.5
41	MP4B	Z	-2.241	2.5
42	MP4B	Mx	-.00029	2.5
43	MP1A	Z	-2.109	2.5
44	MP1A	Mx	.000273	2.5
45	MP1C	Z	-2.109	2.5
46	MP1C	Mx	.001	2.5
47	MP2B	Z	-2.109	2.5
48	MP2B	Mx	-.000273	2.5
49	MP1B	Z	-.611	.5
50	MP1B	Mx	7.9e-5	.5
51	MP1B	Z	-.611	5.5
52	MP1B	Mx	7.9e-5	5.5
53	MP4A	Z	-.611	.5
54	MP4A	Mx	-7.9e-5	.5
55	MP4A	Z	-.611	5.5
56	MP4A	Mx	-7.9e-5	5.5
57	MP4C	Z	-.611	.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	Mx	-.000295	.5
59	MP4C	Z	-.611	5.5
60	MP4C	Mx	-.000295	5.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	.69	.5
2	MP1A	Mx	-.000199	.5
3	MP1A	X	.69	5.5
4	MP1A	Mx	-.000199	5.5
5	MP1C	X	.69	.5
6	MP1C	Mx	.000589	.5
7	MP1C	X	.69	5.5
8	MP1C	Mx	.000589	5.5
9	MP1A	X	.69	.5
10	MP1A	Mx	-.000467	.5
11	MP1A	X	.69	5.5
12	MP1A	Mx	-.000467	5.5
13	MP1C	X	.69	.5
14	MP1C	Mx	-.000411	.5
15	MP1C	X	.69	5.5
16	MP1C	Mx	-.000411	5.5
17	MP5B	X	.69	.5
18	MP5B	Mx	.000199	.5
19	MP5B	X	.69	5.5
20	MP5B	Mx	.000199	5.5
21	MP5B	X	.69	.5
22	MP5B	Mx	.000467	.5
23	MP5B	X	.69	5.5
24	MP5B	Mx	.000467	5.5
25	MP3A	X	1.306	2
26	MP3A	Mx	-.000631	2
27	MP3A	X	1.306	4
28	MP3A	Mx	-.000631	4
29	MP3B	X	1.306	2
30	MP3B	Mx	.000631	2
31	MP3B	X	1.306	4
32	MP3B	Mx	.000631	4
33	MP3C	X	1.306	2
34	MP3C	Mx	.000169	2
35	MP3C	X	1.306	4
36	MP3C	Mx	.000169	4
37	MP2A	X	2.241	2.5
38	MP2A	Mx	.001	2.5
39	MP2C	X	2.241	2.5
40	MP2C	Mx	-.00029	2.5
41	MP4B	X	2.241	2.5
42	MP4B	Mx	-.001	2.5
43	MP1A	X	2.109	2.5
44	MP1A	Mx	.001	2.5
45	MP1C	X	2.109	2.5
46	MP1C	Mx	-.000273	2.5
47	MP2B	X	2.109	2.5
48	MP2B	Mx	-.001	2.5
49	MP1B	X	.611	.5
50	MP1B	Mx	.000295	.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP1B	X	.611	5.5
52	MP1B	Mx	.000295	5.5
53	MP4A	X	.611	.5
54	MP4A	Mx	-.000295	.5
55	MP4A	X	.611	5.5
56	MP4A	Mx	-.000295	5.5
57	MP4C	X	.611	.5
58	MP4C	Mx	7.9e-5	.5
59	MP4C	X	.611	5.5
60	MP4C	Mx	7.9e-5	5.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	Y	-9.315	-9.315	0	%100
2	M10	Y	-9.315	-9.315	0	%100
3	M43	Y	-9.315	-9.315	0	%100
4	M46	Y	-9.814	-9.814	0	%100
5	M51B	Y	-5.429	-5.429	0	%100
6	M52B	Y	-5.429	-5.429	0	%100
7	M76	Y	-9.802	-9.802	0	%100
8	M77	Y	-9.802	-9.802	0	%100
9	M80	Y	-9.814	-9.814	0	%100
10	M84	Y	-9.802	-9.802	0	%100
11	M85	Y	-9.802	-9.802	0	%100
12	M91	Y	-9.814	-9.814	0	%100
13	M25	Y	-9.315	-9.315	0	%100
14	M26	Y	-9.315	-9.315	0	%100
15	M27	Y	-9.315	-9.315	0	%100
16	M28	Y	-9.814	-9.814	0	%100
17	M31	Y	-5.429	-5.429	0	%100
18	M32	Y	-5.429	-5.429	0	%100
19	M36	Y	-9.802	-9.802	0	%100
20	M37	Y	-9.802	-9.802	0	%100
21	M39	Y	-9.814	-9.814	0	%100
22	M41	Y	-9.802	-9.802	0	%100
23	M42	Y	-9.802	-9.802	0	%100
24	M44	Y	-9.814	-9.814	0	%100
25	M49	Y	-9.315	-9.315	0	%100
26	M50A	Y	-9.315	-9.315	0	%100
27	M51C	Y	-9.315	-9.315	0	%100
28	M52A	Y	-9.814	-9.814	0	%100
29	M55	Y	-5.429	-5.429	0	%100
30	M56	Y	-5.429	-5.429	0	%100
31	M60	Y	-9.802	-9.802	0	%100
32	M61	Y	-9.802	-9.802	0	%100
33	M63	Y	-9.814	-9.814	0	%100
34	M65	Y	-9.802	-9.802	0	%100
35	M66	Y	-9.802	-9.802	0	%100
36	M68	Y	-9.814	-9.814	0	%100
37	M73	Y	-6.352	-6.352	0	%100
38	M74	Y	-6.352	-6.352	0	%100
39	M75	Y	-6.352	-6.352	0	%100
40	MP1A	Y	-5.493	-5.493	0	%100
41	MP2A	Y	-4.807	-4.807	0	%100
42	MP3A	Y	-4.807	-4.807	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
43	MP4A	Y	-4.807	-4.807	0	%100
44	MP1C	Y	-5.493	-5.493	0	%100
45	MP2C	Y	-4.807	-4.807	0	%100
46	MP3C	Y	-4.807	-4.807	0	%100
47	MP4C	Y	-4.807	-4.807	0	%100
48	MP1B	Y	-4.807	-4.807	0	%100
49	MP2B	Y	-4.807	-4.807	0	%100
50	MP3B	Y	-4.807	-4.807	0	%100
51	MP4B	Y	-4.807	-4.807	0	%100
52	M106	Y	-5.493	-5.493	0	%100
53	M107	Y	-5.493	-5.493	0	%100
54	M108	Y	-5.493	-5.493	0	%100
55	M121	Y	-7.372	-7.372	0	%100
56	M122	Y	-7.372	-7.372	0	%100
57	M123	Y	-7.372	-7.372	0	%100
58	MP5B	Y	-5.493	-5.493	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-12.363	-12.363	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-12.363	-12.363	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-24.66	-24.66	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-3.423	-3.423	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-3.423	-3.423	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-6.279	-6.279	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-6.614	-6.614	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-6.279	-6.279	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-6.614	-6.614	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-10.958	-10.958	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-3.091	-3.091	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-3.091	-3.091	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-6.165	-6.165	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-3.423	-3.423	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-13.693	-13.693	0	%100
37	M36	X	0	0	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
38	M36	Z	-18.495	-18.495	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-6.279	-6.279	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-6.614	-6.614	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-18.495	-18.495	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-25.116	-25.116	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-26.455	-26.455	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-10.958	-10.958	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-3.091	-3.091	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-3.091	-3.091	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-6.165	-6.165	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-13.693	-13.693	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-3.423	-3.423	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-18.495	-18.495	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-25.116	-25.116	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-26.455	-26.455	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-18.495	-18.495	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-6.279	-6.279	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-6.614	-6.614	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-14.037	-14.037	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.509	-3.509	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-3.509	-3.509	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-11.816	-11.816	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-9.761	-9.761	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-9.761	-9.761	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-9.761	-9.761	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-11.816	-11.816	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-9.761	-9.761	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-9.761	-9.761	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-9.761	-9.761	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-9.761	-9.761	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.761	-9.761	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-9.761	-9.761	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-9.761	-9.761	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	-11.816	-11.816	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	-2.954	-2.954	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	-2.954	-2.954	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-3.731	-3.731	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-3.731	-3.731	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-14.924	-14.924	0	%100
115	MP5B	X	0	0	0	%100
116	MP5B	Z	-11.816	-11.816	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	1.826	1.826	0	%100
2	M4	Z	-3.163	-3.163	0	%100
3	M10	X	4.636	4.636	0	%100
4	M10	Z	-8.03	-8.03	0	%100
5	M43	X	4.636	4.636	0	%100
6	M43	Z	-8.03	-8.03	0	%100
7	M46	X	9.247	9.247	0	%100
8	M46	Z	-16.017	-16.017	0	%100
9	M51B	X	5.135	5.135	0	%100
10	M51B	Z	-8.894	-8.894	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	3.082	3.082	0	%100
14	M76	Z	-5.339	-5.339	0	%100
15	M77	X	9.419	9.419	0	%100
16	M77	Z	-16.314	-16.314	0	%100
17	M80	X	9.92	9.92	0	%100
18	M80	Z	-17.183	-17.183	0	%100
19	M84	X	3.082	3.082	0	%100
20	M84	Z	-5.339	-5.339	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.826	1.826	0	%100
26	M25	Z	-3.163	-3.163	0	%100
27	M26	X	4.636	4.636	0	%100
28	M26	Z	-8.03	-8.03	0	%100
29	M27	X	4.636	4.636	0	%100
30	M27	Z	-8.03	-8.03	0	%100
31	M28	X	9.247	9.247	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
32	M28	Z	-16.017	-16.017	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	5.135	5.135	0	%100
36	M32	Z	-8.894	-8.894	0	%100
37	M36	X	3.082	3.082	0	%100
38	M36	Z	-5.339	-5.339	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	3.082	3.082	0	%100
44	M41	Z	-5.339	-5.339	0	%100
45	M42	X	9.419	9.419	0	%100
46	M42	Z	-16.314	-16.314	0	%100
47	M44	X	9.92	9.92	0	%100
48	M44	Z	-17.183	-17.183	0	%100
49	M49	X	7.305	7.305	0	%100
50	M49	Z	-12.653	-12.653	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	5.135	5.135	0	%100
58	M55	Z	-8.894	-8.894	0	%100
59	M56	X	5.135	5.135	0	%100
60	M56	Z	-8.894	-8.894	0	%100
61	M60	X	12.33	12.33	0	%100
62	M60	Z	-21.356	-21.356	0	%100
63	M61	X	9.419	9.419	0	%100
64	M61	Z	-16.314	-16.314	0	%100
65	M63	X	9.92	9.92	0	%100
66	M63	Z	-17.183	-17.183	0	%100
67	M65	X	12.33	12.33	0	%100
68	M65	Z	-21.356	-21.356	0	%100
69	M66	X	9.419	9.419	0	%100
70	M66	Z	-16.314	-16.314	0	%100
71	M68	X	9.92	9.92	0	%100
72	M68	Z	-17.183	-17.183	0	%100
73	M73	X	5.264	5.264	0	%100
74	M73	Z	-9.117	-9.117	0	%100
75	M74	X	5.264	5.264	0	%100
76	M74	Z	-9.117	-9.117	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	5.908	5.908	0	%100
80	MP1A	Z	-10.233	-10.233	0	%100
81	MP2A	X	4.881	4.881	0	%100
82	MP2A	Z	-8.453	-8.453	0	%100
83	MP3A	X	4.881	4.881	0	%100
84	MP3A	Z	-8.453	-8.453	0	%100
85	MP4A	X	4.881	4.881	0	%100
86	MP4A	Z	-8.453	-8.453	0	%100
87	MP1C	X	5.908	5.908	0	%100
88	MP1C	Z	-10.233	-10.233	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
89	MP2C	X	4.881	4.881	0	%100
90	MP2C	Z	-8.453	-8.453	0	%100
91	MP3C	X	4.881	4.881	0	%100
92	MP3C	Z	-8.453	-8.453	0	%100
93	MP4C	X	4.881	4.881	0	%100
94	MP4C	Z	-8.453	-8.453	0	%100
95	MP1B	X	4.881	4.881	0	%100
96	MP1B	Z	-8.453	-8.453	0	%100
97	MP2B	X	4.881	4.881	0	%100
98	MP2B	Z	-8.453	-8.453	0	%100
99	MP3B	X	4.881	4.881	0	%100
100	MP3B	Z	-8.453	-8.453	0	%100
101	MP4B	X	4.881	4.881	0	%100
102	MP4B	Z	-8.453	-8.453	0	%100
103	M106	X	4.431	4.431	0	%100
104	M106	Z	-7.675	-7.675	0	%100
105	M107	X	4.431	4.431	0	%100
106	M107	Z	-7.675	-7.675	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	5.596	5.596	0	%100
110	M121	Z	-9.693	-9.693	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	5.596	5.596	0	%100
114	M123	Z	-9.693	-9.693	0	%100
115	MP5B	X	5.908	5.908	0	%100
116	MP5B	Z	-10.233	-10.233	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	9.49	9.49	0	%100
2	M4	Z	-5.479	-5.479	0	%100
3	M10	X	2.677	2.677	0	%100
4	M10	Z	-1.545	-1.545	0	%100
5	M43	X	2.677	2.677	0	%100
6	M43	Z	-1.545	-1.545	0	%100
7	M46	X	5.339	5.339	0	%100
8	M46	Z	-3.082	-3.082	0	%100
9	M51B	X	11.859	11.859	0	%100
10	M51B	Z	-6.847	-6.847	0	%100
11	M52B	X	2.965	2.965	0	%100
12	M52B	Z	-1.712	-1.712	0	%100
13	M76	X	16.017	16.017	0	%100
14	M76	Z	-9.247	-9.247	0	%100
15	M77	X	21.751	21.751	0	%100
16	M77	Z	-12.558	-12.558	0	%100
17	M80	X	22.91	22.91	0	%100
18	M80	Z	-13.227	-13.227	0	%100
19	M84	X	16.017	16.017	0	%100
20	M84	Z	-9.247	-9.247	0	%100
21	M85	X	5.438	5.438	0	%100
22	M85	Z	-3.14	-3.14	0	%100
23	M91	X	5.728	5.728	0	%100
24	M91	Z	-3.307	-3.307	0	%100
25	M25	X	0	0	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
26	M25	Z	0	0	0	%100
27	M26	X	10.707	10.707	0	%100
28	M26	Z	-6.182	-6.182	0	%100
29	M27	X	10.707	10.707	0	%100
30	M27	Z	-6.182	-6.182	0	%100
31	M28	X	21.356	21.356	0	%100
32	M28	Z	-12.33	-12.33	0	%100
33	M31	X	2.965	2.965	0	%100
34	M31	Z	-1.712	-1.712	0	%100
35	M32	X	2.965	2.965	0	%100
36	M32	Z	-1.712	-1.712	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	5.438	5.438	0	%100
40	M37	Z	-3.14	-3.14	0	%100
41	M39	X	5.728	5.728	0	%100
42	M39	Z	-3.307	-3.307	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	5.438	5.438	0	%100
46	M42	Z	-3.14	-3.14	0	%100
47	M44	X	5.728	5.728	0	%100
48	M44	Z	-3.307	-3.307	0	%100
49	M49	X	9.49	9.49	0	%100
50	M49	Z	-5.479	-5.479	0	%100
51	M50A	X	2.677	2.677	0	%100
52	M50A	Z	-1.545	-1.545	0	%100
53	M51C	X	2.677	2.677	0	%100
54	M51C	Z	-1.545	-1.545	0	%100
55	M52A	X	5.339	5.339	0	%100
56	M52A	Z	-3.082	-3.082	0	%100
57	M55	X	2.965	2.965	0	%100
58	M55	Z	-1.712	-1.712	0	%100
59	M56	X	11.859	11.859	0	%100
60	M56	Z	-6.847	-6.847	0	%100
61	M60	X	16.017	16.017	0	%100
62	M60	Z	-9.247	-9.247	0	%100
63	M61	X	5.438	5.438	0	%100
64	M61	Z	-3.14	-3.14	0	%100
65	M63	X	5.728	5.728	0	%100
66	M63	Z	-3.307	-3.307	0	%100
67	M65	X	16.017	16.017	0	%100
68	M65	Z	-9.247	-9.247	0	%100
69	M66	X	21.751	21.751	0	%100
70	M66	Z	-12.558	-12.558	0	%100
71	M68	X	22.91	22.91	0	%100
72	M68	Z	-13.227	-13.227	0	%100
73	M73	X	3.039	3.039	0	%100
74	M73	Z	-1.755	-1.755	0	%100
75	M74	X	12.156	12.156	0	%100
76	M74	Z	-7.018	-7.018	0	%100
77	M75	X	3.039	3.039	0	%100
78	M75	Z	-1.755	-1.755	0	%100
79	MP1A	X	10.233	10.233	0	%100
80	MP1A	Z	-5.908	-5.908	0	%100
81	MP2A	X	8.453	8.453	0	%100
82	MP2A	Z	-4.881	-4.881	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
83	MP3A	X	8.453	8.453	0	%100
84	MP3A	Z	-4.881	-4.881	0	%100
85	MP4A	X	8.453	8.453	0	%100
86	MP4A	Z	-4.881	-4.881	0	%100
87	MP1C	X	10.233	10.233	0	%100
88	MP1C	Z	-5.908	-5.908	0	%100
89	MP2C	X	8.453	8.453	0	%100
90	MP2C	Z	-4.881	-4.881	0	%100
91	MP3C	X	8.453	8.453	0	%100
92	MP3C	Z	-4.881	-4.881	0	%100
93	MP4C	X	8.453	8.453	0	%100
94	MP4C	Z	-4.881	-4.881	0	%100
95	MP1B	X	8.453	8.453	0	%100
96	MP1B	Z	-4.881	-4.881	0	%100
97	MP2B	X	8.453	8.453	0	%100
98	MP2B	Z	-4.881	-4.881	0	%100
99	MP3B	X	8.453	8.453	0	%100
100	MP3B	Z	-4.881	-4.881	0	%100
101	MP4B	X	8.453	8.453	0	%100
102	MP4B	Z	-4.881	-4.881	0	%100
103	M106	X	2.558	2.558	0	%100
104	M106	Z	-1.477	-1.477	0	%100
105	M107	X	10.233	10.233	0	%100
106	M107	Z	-5.908	-5.908	0	%100
107	M108	X	2.558	2.558	0	%100
108	M108	Z	-1.477	-1.477	0	%100
109	M121	X	12.924	12.924	0	%100
110	M121	Z	-7.462	-7.462	0	%100
111	M122	X	3.231	3.231	0	%100
112	M122	Z	-1.865	-1.865	0	%100
113	M123	X	3.231	3.231	0	%100
114	M123	Z	-1.865	-1.865	0	%100
115	MP5B	X	10.233	10.233	0	%100
116	MP5B	Z	-5.908	-5.908	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	14.611	14.611	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	10.27	10.27	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	10.27	10.27	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	24.66	24.66	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	18.837	18.837	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	19.841	19.841	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	24.66	24.66	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
20	M84	Z	0	0	0	%100
21	M85	X	18.837	18.837	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	19.841	19.841	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	3.653	3.653	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	9.272	9.272	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	9.272	9.272	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	18.495	18.495	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	10.27	10.27	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	6.165	6.165	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	18.837	18.837	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	19.841	19.841	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	6.165	6.165	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	3.653	3.653	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	9.272	9.272	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	9.272	9.272	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	18.495	18.495	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	10.27	10.27	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	6.165	6.165	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	6.165	6.165	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	18.837	18.837	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	19.841	19.841	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	10.528	10.528	0	%100
76	M74	Z	0	0	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
77	M75	X	10.528	10.528	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	11.816	11.816	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	9.761	9.761	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	9.761	9.761	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	9.761	9.761	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	11.816	11.816	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	9.761	9.761	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	9.761	9.761	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	9.761	9.761	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	9.761	9.761	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	9.761	9.761	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	9.761	9.761	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	9.761	9.761	0	%100
102	MP4B	Z	0	0	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	0	0	0	%100
105	M107	X	8.862	8.862	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	8.862	8.862	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	11.193	11.193	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	11.193	11.193	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	MP5B	X	11.816	11.816	0	%100
116	MP5B	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	9.49	9.49	0	%100
2	M4	Z	5.479	5.479	0	%100
3	M10	X	2.677	2.677	0	%100
4	M10	Z	1.545	1.545	0	%100
5	M43	X	2.677	2.677	0	%100
6	M43	Z	1.545	1.545	0	%100
7	M46	X	5.339	5.339	0	%100
8	M46	Z	3.082	3.082	0	%100
9	M51B	X	2.965	2.965	0	%100
10	M51B	Z	1.712	1.712	0	%100
11	M52B	X	11.859	11.859	0	%100
12	M52B	Z	6.847	6.847	0	%100
13	M76	X	16.017	16.017	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
14	M76	Z	9.247	9.247	0	%100
15	M77	X	5.438	5.438	0	%100
16	M77	Z	3.14	3.14	0	%100
17	M80	X	5.728	5.728	0	%100
18	M80	Z	3.307	3.307	0	%100
19	M84	X	16.017	16.017	0	%100
20	M84	Z	9.247	9.247	0	%100
21	M85	X	21.751	21.751	0	%100
22	M85	Z	12.558	12.558	0	%100
23	M91	X	22.91	22.91	0	%100
24	M91	Z	13.227	13.227	0	%100
25	M25	X	9.49	9.49	0	%100
26	M25	Z	5.479	5.479	0	%100
27	M26	X	2.677	2.677	0	%100
28	M26	Z	1.545	1.545	0	%100
29	M27	X	2.677	2.677	0	%100
30	M27	Z	1.545	1.545	0	%100
31	M28	X	5.339	5.339	0	%100
32	M28	Z	3.082	3.082	0	%100
33	M31	X	11.859	11.859	0	%100
34	M31	Z	6.847	6.847	0	%100
35	M32	X	2.965	2.965	0	%100
36	M32	Z	1.712	1.712	0	%100
37	M36	X	16.017	16.017	0	%100
38	M36	Z	9.247	9.247	0	%100
39	M37	X	21.751	21.751	0	%100
40	M37	Z	12.558	12.558	0	%100
41	M39	X	22.91	22.91	0	%100
42	M39	Z	13.227	13.227	0	%100
43	M41	X	16.017	16.017	0	%100
44	M41	Z	9.247	9.247	0	%100
45	M42	X	5.438	5.438	0	%100
46	M42	Z	3.14	3.14	0	%100
47	M44	X	5.728	5.728	0	%100
48	M44	Z	3.307	3.307	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	10.707	10.707	0	%100
52	M50A	Z	6.182	6.182	0	%100
53	M51C	X	10.707	10.707	0	%100
54	M51C	Z	6.182	6.182	0	%100
55	M52A	X	21.356	21.356	0	%100
56	M52A	Z	12.33	12.33	0	%100
57	M55	X	2.965	2.965	0	%100
58	M55	Z	1.712	1.712	0	%100
59	M56	X	2.965	2.965	0	%100
60	M56	Z	1.712	1.712	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	5.438	5.438	0	%100
64	M61	Z	3.14	3.14	0	%100
65	M63	X	5.728	5.728	0	%100
66	M63	Z	3.307	3.307	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	5.438	5.438	0	%100
70	M66	Z	3.14	3.14	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
71	M68	X	5.728	5.728	0	%100
72	M68	Z	3.307	3.307	0	%100
73	M73	X	3.039	3.039	0	%100
74	M73	Z	1.755	1.755	0	%100
75	M74	X	3.039	3.039	0	%100
76	M74	Z	1.755	1.755	0	%100
77	M75	X	12.156	12.156	0	%100
78	M75	Z	7.018	7.018	0	%100
79	MP1A	X	10.233	10.233	0	%100
80	MP1A	Z	5.908	5.908	0	%100
81	MP2A	X	8.453	8.453	0	%100
82	MP2A	Z	4.881	4.881	0	%100
83	MP3A	X	8.453	8.453	0	%100
84	MP3A	Z	4.881	4.881	0	%100
85	MP4A	X	8.453	8.453	0	%100
86	MP4A	Z	4.881	4.881	0	%100
87	MP1C	X	10.233	10.233	0	%100
88	MP1C	Z	5.908	5.908	0	%100
89	MP2C	X	8.453	8.453	0	%100
90	MP2C	Z	4.881	4.881	0	%100
91	MP3C	X	8.453	8.453	0	%100
92	MP3C	Z	4.881	4.881	0	%100
93	MP4C	X	8.453	8.453	0	%100
94	MP4C	Z	4.881	4.881	0	%100
95	MP1B	X	8.453	8.453	0	%100
96	MP1B	Z	4.881	4.881	0	%100
97	MP2B	X	8.453	8.453	0	%100
98	MP2B	Z	4.881	4.881	0	%100
99	MP3B	X	8.453	8.453	0	%100
100	MP3B	Z	4.881	4.881	0	%100
101	MP4B	X	8.453	8.453	0	%100
102	MP4B	Z	4.881	4.881	0	%100
103	M106	X	2.558	2.558	0	%100
104	M106	Z	1.477	1.477	0	%100
105	M107	X	2.558	2.558	0	%100
106	M107	Z	1.477	1.477	0	%100
107	M108	X	10.233	10.233	0	%100
108	M108	Z	5.908	5.908	0	%100
109	M121	X	3.231	3.231	0	%100
110	M121	Z	1.865	1.865	0	%100
111	M122	X	12.924	12.924	0	%100
112	M122	Z	7.462	7.462	0	%100
113	M123	X	3.231	3.231	0	%100
114	M123	Z	1.865	1.865	0	%100
115	MP5B	X	10.233	10.233	0	%100
116	MP5B	Z	5.908	5.908	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	1.826	1.826	0	%100
2	M4	Z	3.163	3.163	0	%100
3	M10	X	4.636	4.636	0	%100
4	M10	Z	8.03	8.03	0	%100
5	M43	X	4.636	4.636	0	%100
6	M43	Z	8.03	8.03	0	%100
7	M46	X	9.247	9.247	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
8	M46	Z	16.017	16.017	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	5.135	5.135	0	%100
12	M52B	Z	8.894	8.894	0	%100
13	M76	X	3.082	3.082	0	%100
14	M76	Z	5.339	5.339	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	3.082	3.082	0	%100
20	M84	Z	5.339	5.339	0	%100
21	M85	X	9.419	9.419	0	%100
22	M85	Z	16.314	16.314	0	%100
23	M91	X	9.92	9.92	0	%100
24	M91	Z	17.183	17.183	0	%100
25	M25	X	7.305	7.305	0	%100
26	M25	Z	12.653	12.653	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	5.135	5.135	0	%100
34	M31	Z	8.894	8.894	0	%100
35	M32	X	5.135	5.135	0	%100
36	M32	Z	8.894	8.894	0	%100
37	M36	X	12.33	12.33	0	%100
38	M36	Z	21.356	21.356	0	%100
39	M37	X	9.419	9.419	0	%100
40	M37	Z	16.314	16.314	0	%100
41	M39	X	9.92	9.92	0	%100
42	M39	Z	17.183	17.183	0	%100
43	M41	X	12.33	12.33	0	%100
44	M41	Z	21.356	21.356	0	%100
45	M42	X	9.419	9.419	0	%100
46	M42	Z	16.314	16.314	0	%100
47	M44	X	9.92	9.92	0	%100
48	M44	Z	17.183	17.183	0	%100
49	M49	X	1.826	1.826	0	%100
50	M49	Z	3.163	3.163	0	%100
51	M50A	X	4.636	4.636	0	%100
52	M50A	Z	8.03	8.03	0	%100
53	M51C	X	4.636	4.636	0	%100
54	M51C	Z	8.03	8.03	0	%100
55	M52A	X	9.247	9.247	0	%100
56	M52A	Z	16.017	16.017	0	%100
57	M55	X	5.135	5.135	0	%100
58	M55	Z	8.894	8.894	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	3.082	3.082	0	%100
62	M60	Z	5.339	5.339	0	%100
63	M61	X	9.419	9.419	0	%100
64	M61	Z	16.314	16.314	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
65	M63	X	9.92	9.92	0	%100
66	M63	Z	17.183	17.183	0	%100
67	M65	X	3.082	3.082	0	%100
68	M65	Z	5.339	5.339	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	5.264	5.264	0	%100
74	M73	Z	9.117	9.117	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	5.264	5.264	0	%100
78	M75	Z	9.117	9.117	0	%100
79	MP1A	X	5.908	5.908	0	%100
80	MP1A	Z	10.233	10.233	0	%100
81	MP2A	X	4.881	4.881	0	%100
82	MP2A	Z	8.453	8.453	0	%100
83	MP3A	X	4.881	4.881	0	%100
84	MP3A	Z	8.453	8.453	0	%100
85	MP4A	X	4.881	4.881	0	%100
86	MP4A	Z	8.453	8.453	0	%100
87	MP1C	X	5.908	5.908	0	%100
88	MP1C	Z	10.233	10.233	0	%100
89	MP2C	X	4.881	4.881	0	%100
90	MP2C	Z	8.453	8.453	0	%100
91	MP3C	X	4.881	4.881	0	%100
92	MP3C	Z	8.453	8.453	0	%100
93	MP4C	X	4.881	4.881	0	%100
94	MP4C	Z	8.453	8.453	0	%100
95	MP1B	X	4.881	4.881	0	%100
96	MP1B	Z	8.453	8.453	0	%100
97	MP2B	X	4.881	4.881	0	%100
98	MP2B	Z	8.453	8.453	0	%100
99	MP3B	X	4.881	4.881	0	%100
100	MP3B	Z	8.453	8.453	0	%100
101	MP4B	X	4.881	4.881	0	%100
102	MP4B	Z	8.453	8.453	0	%100
103	M106	X	4.431	4.431	0	%100
104	M106	Z	7.675	7.675	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	4.431	4.431	0	%100
108	M108	Z	7.675	7.675	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	5.596	5.596	0	%100
112	M122	Z	9.693	9.693	0	%100
113	M123	X	5.596	5.596	0	%100
114	M123	Z	9.693	9.693	0	%100
115	MP5B	X	5.908	5.908	0	%100
116	MP5B	Z	10.233	10.233	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	0	0	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	12.363	12.363	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	12.363	12.363	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	24.66	24.66	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	3.423	3.423	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	3.423	3.423	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	6.279	6.279	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	6.614	6.614	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	6.279	6.279	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	6.614	6.614	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	10.958	10.958	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	3.091	3.091	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	3.091	3.091	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	6.165	6.165	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	3.423	3.423	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	13.693	13.693	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	18.495	18.495	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	6.279	6.279	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	6.614	6.614	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	18.495	18.495	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	25.116	25.116	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	26.455	26.455	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	10.958	10.958	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	3.091	3.091	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	3.091	3.091	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	6.165	6.165	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	13.693	13.693	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
59	M56	X	0	0	0	%100
60	M56	Z	3.423	3.423	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	18.495	18.495	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	25.116	25.116	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	26.455	26.455	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	18.495	18.495	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	6.279	6.279	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	6.614	6.614	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	14.037	14.037	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.509	3.509	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	3.509	3.509	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	11.816	11.816	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	9.761	9.761	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	9.761	9.761	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	9.761	9.761	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	11.816	11.816	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	9.761	9.761	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	9.761	9.761	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	9.761	9.761	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	9.761	9.761	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	9.761	9.761	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	9.761	9.761	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	9.761	9.761	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	11.816	11.816	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	2.954	2.954	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	2.954	2.954	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	3.731	3.731	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	3.731	3.731	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	14.924	14.924	0	%100
115	MP5B	X	0	0	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
116	MP5B	Z	11.816	11.816	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-1.826	-1.826	0	%100
2	M4	Z	3.163	3.163	0	%100
3	M10	X	-4.636	-4.636	0	%100
4	M10	Z	8.03	8.03	0	%100
5	M43	X	-4.636	-4.636	0	%100
6	M43	Z	8.03	8.03	0	%100
7	M46	X	-9.247	-9.247	0	%100
8	M46	Z	16.017	16.017	0	%100
9	M51B	X	-5.135	-5.135	0	%100
10	M51B	Z	8.894	8.894	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-3.082	-3.082	0	%100
14	M76	Z	5.339	5.339	0	%100
15	M77	X	-9.419	-9.419	0	%100
16	M77	Z	16.314	16.314	0	%100
17	M80	X	-9.92	-9.92	0	%100
18	M80	Z	17.183	17.183	0	%100
19	M84	X	-3.082	-3.082	0	%100
20	M84	Z	5.339	5.339	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.826	-1.826	0	%100
26	M25	Z	3.163	3.163	0	%100
27	M26	X	-4.636	-4.636	0	%100
28	M26	Z	8.03	8.03	0	%100
29	M27	X	-4.636	-4.636	0	%100
30	M27	Z	8.03	8.03	0	%100
31	M28	X	-9.247	-9.247	0	%100
32	M28	Z	16.017	16.017	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-5.135	-5.135	0	%100
36	M32	Z	8.894	8.894	0	%100
37	M36	X	-3.082	-3.082	0	%100
38	M36	Z	5.339	5.339	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-3.082	-3.082	0	%100
44	M41	Z	5.339	5.339	0	%100
45	M42	X	-9.419	-9.419	0	%100
46	M42	Z	16.314	16.314	0	%100
47	M44	X	-9.92	-9.92	0	%100
48	M44	Z	17.183	17.183	0	%100
49	M49	X	-7.305	-7.305	0	%100
50	M49	Z	12.653	12.653	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-5.135	-5.135	0	%100
58	M55	Z	8.894	8.894	0	%100
59	M56	X	-5.135	-5.135	0	%100
60	M56	Z	8.894	8.894	0	%100
61	M60	X	-12.33	-12.33	0	%100
62	M60	Z	21.356	21.356	0	%100
63	M61	X	-9.419	-9.419	0	%100
64	M61	Z	16.314	16.314	0	%100
65	M63	X	-9.92	-9.92	0	%100
66	M63	Z	17.183	17.183	0	%100
67	M65	X	-12.33	-12.33	0	%100
68	M65	Z	21.356	21.356	0	%100
69	M66	X	-9.419	-9.419	0	%100
70	M66	Z	16.314	16.314	0	%100
71	M68	X	-9.92	-9.92	0	%100
72	M68	Z	17.183	17.183	0	%100
73	M73	X	-5.264	-5.264	0	%100
74	M73	Z	9.117	9.117	0	%100
75	M74	X	-5.264	-5.264	0	%100
76	M74	Z	9.117	9.117	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-5.908	-5.908	0	%100
80	MP1A	Z	10.233	10.233	0	%100
81	MP2A	X	-4.881	-4.881	0	%100
82	MP2A	Z	8.453	8.453	0	%100
83	MP3A	X	-4.881	-4.881	0	%100
84	MP3A	Z	8.453	8.453	0	%100
85	MP4A	X	-4.881	-4.881	0	%100
86	MP4A	Z	8.453	8.453	0	%100
87	MP1C	X	-5.908	-5.908	0	%100
88	MP1C	Z	10.233	10.233	0	%100
89	MP2C	X	-4.881	-4.881	0	%100
90	MP2C	Z	8.453	8.453	0	%100
91	MP3C	X	-4.881	-4.881	0	%100
92	MP3C	Z	8.453	8.453	0	%100
93	MP4C	X	-4.881	-4.881	0	%100
94	MP4C	Z	8.453	8.453	0	%100
95	MP1B	X	-4.881	-4.881	0	%100
96	MP1B	Z	8.453	8.453	0	%100
97	MP2B	X	-4.881	-4.881	0	%100
98	MP2B	Z	8.453	8.453	0	%100
99	MP3B	X	-4.881	-4.881	0	%100
100	MP3B	Z	8.453	8.453	0	%100
101	MP4B	X	-4.881	-4.881	0	%100
102	MP4B	Z	8.453	8.453	0	%100
103	M106	X	-4.431	-4.431	0	%100
104	M106	Z	7.675	7.675	0	%100
105	M107	X	-4.431	-4.431	0	%100
106	M107	Z	7.675	7.675	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	-5.596	-5.596	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
110	M121	Z	9.693	9.693	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-5.596	-5.596	0	%100
114	M123	Z	9.693	9.693	0	%100
115	MP5B	X	-5.908	-5.908	0	%100
116	MP5B	Z	10.233	10.233	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-9.49	-9.49	0	%100
2	M4	Z	5.479	5.479	0	%100
3	M10	X	-2.677	-2.677	0	%100
4	M10	Z	1.545	1.545	0	%100
5	M43	X	-2.677	-2.677	0	%100
6	M43	Z	1.545	1.545	0	%100
7	M46	X	-5.339	-5.339	0	%100
8	M46	Z	3.082	3.082	0	%100
9	M51B	X	-11.859	-11.859	0	%100
10	M51B	Z	6.847	6.847	0	%100
11	M52B	X	-2.965	-2.965	0	%100
12	M52B	Z	1.712	1.712	0	%100
13	M76	X	-16.017	-16.017	0	%100
14	M76	Z	9.247	9.247	0	%100
15	M77	X	-21.751	-21.751	0	%100
16	M77	Z	12.558	12.558	0	%100
17	M80	X	-22.91	-22.91	0	%100
18	M80	Z	13.227	13.227	0	%100
19	M84	X	-16.017	-16.017	0	%100
20	M84	Z	9.247	9.247	0	%100
21	M85	X	-5.438	-5.438	0	%100
22	M85	Z	3.14	3.14	0	%100
23	M91	X	-5.728	-5.728	0	%100
24	M91	Z	3.307	3.307	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-10.707	-10.707	0	%100
28	M26	Z	6.182	6.182	0	%100
29	M27	X	-10.707	-10.707	0	%100
30	M27	Z	6.182	6.182	0	%100
31	M28	X	-21.356	-21.356	0	%100
32	M28	Z	12.33	12.33	0	%100
33	M31	X	-2.965	-2.965	0	%100
34	M31	Z	1.712	1.712	0	%100
35	M32	X	-2.965	-2.965	0	%100
36	M32	Z	1.712	1.712	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-5.438	-5.438	0	%100
40	M37	Z	3.14	3.14	0	%100
41	M39	X	-5.728	-5.728	0	%100
42	M39	Z	3.307	3.307	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-5.438	-5.438	0	%100
46	M42	Z	3.14	3.14	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
47	M44	X	-5.728	-5.728	0	%100
48	M44	Z	3.307	3.307	0	%100
49	M49	X	-9.49	-9.49	0	%100
50	M49	Z	5.479	5.479	0	%100
51	M50A	X	-2.677	-2.677	0	%100
52	M50A	Z	1.545	1.545	0	%100
53	M51C	X	-2.677	-2.677	0	%100
54	M51C	Z	1.545	1.545	0	%100
55	M52A	X	-5.339	-5.339	0	%100
56	M52A	Z	3.082	3.082	0	%100
57	M55	X	-2.965	-2.965	0	%100
58	M55	Z	1.712	1.712	0	%100
59	M56	X	-11.859	-11.859	0	%100
60	M56	Z	6.847	6.847	0	%100
61	M60	X	-16.017	-16.017	0	%100
62	M60	Z	9.247	9.247	0	%100
63	M61	X	-5.438	-5.438	0	%100
64	M61	Z	3.14	3.14	0	%100
65	M63	X	-5.728	-5.728	0	%100
66	M63	Z	3.307	3.307	0	%100
67	M65	X	-16.017	-16.017	0	%100
68	M65	Z	9.247	9.247	0	%100
69	M66	X	-21.751	-21.751	0	%100
70	M66	Z	12.558	12.558	0	%100
71	M68	X	-22.91	-22.91	0	%100
72	M68	Z	13.227	13.227	0	%100
73	M73	X	-3.039	-3.039	0	%100
74	M73	Z	1.755	1.755	0	%100
75	M74	X	-12.156	-12.156	0	%100
76	M74	Z	7.018	7.018	0	%100
77	M75	X	-3.039	-3.039	0	%100
78	M75	Z	1.755	1.755	0	%100
79	MP1A	X	-10.233	-10.233	0	%100
80	MP1A	Z	5.908	5.908	0	%100
81	MP2A	X	-8.453	-8.453	0	%100
82	MP2A	Z	4.881	4.881	0	%100
83	MP3A	X	-8.453	-8.453	0	%100
84	MP3A	Z	4.881	4.881	0	%100
85	MP4A	X	-8.453	-8.453	0	%100
86	MP4A	Z	4.881	4.881	0	%100
87	MP1C	X	-10.233	-10.233	0	%100
88	MP1C	Z	5.908	5.908	0	%100
89	MP2C	X	-8.453	-8.453	0	%100
90	MP2C	Z	4.881	4.881	0	%100
91	MP3C	X	-8.453	-8.453	0	%100
92	MP3C	Z	4.881	4.881	0	%100
93	MP4C	X	-8.453	-8.453	0	%100
94	MP4C	Z	4.881	4.881	0	%100
95	MP1B	X	-8.453	-8.453	0	%100
96	MP1B	Z	4.881	4.881	0	%100
97	MP2B	X	-8.453	-8.453	0	%100
98	MP2B	Z	4.881	4.881	0	%100
99	MP3B	X	-8.453	-8.453	0	%100
100	MP3B	Z	4.881	4.881	0	%100
101	MP4B	X	-8.453	-8.453	0	%100
102	MP4B	Z	4.881	4.881	0	%100
103	M106	X	-2.558	-2.558	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
104	M106	Z	1.477	1.477	0	%100
105	M107	X	-10.233	-10.233	0	%100
106	M107	Z	5.908	5.908	0	%100
107	M108	X	-2.558	-2.558	0	%100
108	M108	Z	1.477	1.477	0	%100
109	M121	X	-12.924	-12.924	0	%100
110	M121	Z	7.462	7.462	0	%100
111	M122	X	-3.231	-3.231	0	%100
112	M122	Z	1.865	1.865	0	%100
113	M123	X	-3.231	-3.231	0	%100
114	M123	Z	1.865	1.865	0	%100
115	MP5B	X	-10.233	-10.233	0	%100
116	MP5B	Z	5.908	5.908	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-14.611	-14.611	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-10.27	-10.27	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-10.27	-10.27	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-24.66	-24.66	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-18.837	-18.837	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-19.841	-19.841	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-24.66	-24.66	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-18.837	-18.837	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-19.841	-19.841	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-3.653	-3.653	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-9.272	-9.272	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-9.272	-9.272	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-18.495	-18.495	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-10.27	-10.27	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-6.165	-6.165	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-18.837	-18.837	0	%100
40	M37	Z	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
41	M39	X	-19.841	-19.841	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-6.165	-6.165	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-3.653	-3.653	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-9.272	-9.272	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-9.272	-9.272	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-18.495	-18.495	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-10.27	-10.27	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-6.165	-6.165	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-6.165	-6.165	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-18.837	-18.837	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-19.841	-19.841	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-10.528	-10.528	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-10.528	-10.528	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-11.816	-11.816	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-9.761	-9.761	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-9.761	-9.761	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-9.761	-9.761	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-11.816	-11.816	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-9.761	-9.761	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-9.761	-9.761	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-9.761	-9.761	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-9.761	-9.761	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-9.761	-9.761	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-9.761	-9.761	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-9.761	-9.761	0	%100
102	MP4B	Z	0	0	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	0	0	0	%100
105	M107	X	-8.862	-8.862	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	-8.862	-8.862	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	-11.193	-11.193	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-11.193	-11.193	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	MP5B	X	-11.816	-11.816	0	%100
116	MP5B	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-9.49	-9.49	0	%100
2	M4	Z	-5.479	-5.479	0	%100
3	M10	X	-2.677	-2.677	0	%100
4	M10	Z	-1.545	-1.545	0	%100
5	M43	X	-2.677	-2.677	0	%100
6	M43	Z	-1.545	-1.545	0	%100
7	M46	X	-5.339	-5.339	0	%100
8	M46	Z	-3.082	-3.082	0	%100
9	M51B	X	-2.965	-2.965	0	%100
10	M51B	Z	-1.712	-1.712	0	%100
11	M52B	X	-11.859	-11.859	0	%100
12	M52B	Z	-6.847	-6.847	0	%100
13	M76	X	-16.017	-16.017	0	%100
14	M76	Z	-9.247	-9.247	0	%100
15	M77	X	-5.438	-5.438	0	%100
16	M77	Z	-3.14	-3.14	0	%100
17	M80	X	-5.728	-5.728	0	%100
18	M80	Z	-3.307	-3.307	0	%100
19	M84	X	-16.017	-16.017	0	%100
20	M84	Z	-9.247	-9.247	0	%100
21	M85	X	-21.751	-21.751	0	%100
22	M85	Z	-12.558	-12.558	0	%100
23	M91	X	-22.91	-22.91	0	%100
24	M91	Z	-13.227	-13.227	0	%100
25	M25	X	-9.49	-9.49	0	%100
26	M25	Z	-5.479	-5.479	0	%100
27	M26	X	-2.677	-2.677	0	%100
28	M26	Z	-1.545	-1.545	0	%100
29	M27	X	-2.677	-2.677	0	%100
30	M27	Z	-1.545	-1.545	0	%100
31	M28	X	-5.339	-5.339	0	%100
32	M28	Z	-3.082	-3.082	0	%100
33	M31	X	-11.859	-11.859	0	%100
34	M31	Z	-6.847	-6.847	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
35	M32	X	-2.965	-2.965	0	%100
36	M32	Z	-1.712	-1.712	0	%100
37	M36	X	-16.017	-16.017	0	%100
38	M36	Z	-9.247	-9.247	0	%100
39	M37	X	-21.751	-21.751	0	%100
40	M37	Z	-12.558	-12.558	0	%100
41	M39	X	-22.91	-22.91	0	%100
42	M39	Z	-13.227	-13.227	0	%100
43	M41	X	-16.017	-16.017	0	%100
44	M41	Z	-9.247	-9.247	0	%100
45	M42	X	-5.438	-5.438	0	%100
46	M42	Z	-3.14	-3.14	0	%100
47	M44	X	-5.728	-5.728	0	%100
48	M44	Z	-3.307	-3.307	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-10.707	-10.707	0	%100
52	M50A	Z	-6.182	-6.182	0	%100
53	M51C	X	-10.707	-10.707	0	%100
54	M51C	Z	-6.182	-6.182	0	%100
55	M52A	X	-21.356	-21.356	0	%100
56	M52A	Z	-12.33	-12.33	0	%100
57	M55	X	-2.965	-2.965	0	%100
58	M55	Z	-1.712	-1.712	0	%100
59	M56	X	-2.965	-2.965	0	%100
60	M56	Z	-1.712	-1.712	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-5.438	-5.438	0	%100
64	M61	Z	-3.14	-3.14	0	%100
65	M63	X	-5.728	-5.728	0	%100
66	M63	Z	-3.307	-3.307	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-5.438	-5.438	0	%100
70	M66	Z	-3.14	-3.14	0	%100
71	M68	X	-5.728	-5.728	0	%100
72	M68	Z	-3.307	-3.307	0	%100
73	M73	X	-3.039	-3.039	0	%100
74	M73	Z	-1.755	-1.755	0	%100
75	M74	X	-3.039	-3.039	0	%100
76	M74	Z	-1.755	-1.755	0	%100
77	M75	X	-12.156	-12.156	0	%100
78	M75	Z	-7.018	-7.018	0	%100
79	MP1A	X	-10.233	-10.233	0	%100
80	MP1A	Z	-5.908	-5.908	0	%100
81	MP2A	X	-8.453	-8.453	0	%100
82	MP2A	Z	-4.881	-4.881	0	%100
83	MP3A	X	-8.453	-8.453	0	%100
84	MP3A	Z	-4.881	-4.881	0	%100
85	MP4A	X	-8.453	-8.453	0	%100
86	MP4A	Z	-4.881	-4.881	0	%100
87	MP1C	X	-10.233	-10.233	0	%100
88	MP1C	Z	-5.908	-5.908	0	%100
89	MP2C	X	-8.453	-8.453	0	%100
90	MP2C	Z	-4.881	-4.881	0	%100
91	MP3C	X	-8.453	-8.453	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
92	MP3C	Z	-4.881	-4.881	0	%100
93	MP4C	X	-8.453	-8.453	0	%100
94	MP4C	Z	-4.881	-4.881	0	%100
95	MP1B	X	-8.453	-8.453	0	%100
96	MP1B	Z	-4.881	-4.881	0	%100
97	MP2B	X	-8.453	-8.453	0	%100
98	MP2B	Z	-4.881	-4.881	0	%100
99	MP3B	X	-8.453	-8.453	0	%100
100	MP3B	Z	-4.881	-4.881	0	%100
101	MP4B	X	-8.453	-8.453	0	%100
102	MP4B	Z	-4.881	-4.881	0	%100
103	M106	X	-2.558	-2.558	0	%100
104	M106	Z	-1.477	-1.477	0	%100
105	M107	X	-2.558	-2.558	0	%100
106	M107	Z	-1.477	-1.477	0	%100
107	M108	X	-10.233	-10.233	0	%100
108	M108	Z	-5.908	-5.908	0	%100
109	M121	X	-3.231	-3.231	0	%100
110	M121	Z	-1.865	-1.865	0	%100
111	M122	X	-12.924	-12.924	0	%100
112	M122	Z	-7.462	-7.462	0	%100
113	M123	X	-3.231	-3.231	0	%100
114	M123	Z	-1.865	-1.865	0	%100
115	MP5B	X	-10.233	-10.233	0	%100
116	MP5B	Z	-5.908	-5.908	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-1.826	-1.826	0	%100
2	M4	Z	-3.163	-3.163	0	%100
3	M10	X	-4.636	-4.636	0	%100
4	M10	Z	-8.03	-8.03	0	%100
5	M43	X	-4.636	-4.636	0	%100
6	M43	Z	-8.03	-8.03	0	%100
7	M46	X	-9.247	-9.247	0	%100
8	M46	Z	-16.017	-16.017	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-5.135	-5.135	0	%100
12	M52B	Z	-8.894	-8.894	0	%100
13	M76	X	-3.082	-3.082	0	%100
14	M76	Z	-5.339	-5.339	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-3.082	-3.082	0	%100
20	M84	Z	-5.339	-5.339	0	%100
21	M85	X	-9.419	-9.419	0	%100
22	M85	Z	-16.314	-16.314	0	%100
23	M91	X	-9.92	-9.92	0	%100
24	M91	Z	-17.183	-17.183	0	%100
25	M25	X	-7.305	-7.305	0	%100
26	M25	Z	-12.653	-12.653	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-5.135	-5.135	0	%100
34	M31	Z	-8.894	-8.894	0	%100
35	M32	X	-5.135	-5.135	0	%100
36	M32	Z	-8.894	-8.894	0	%100
37	M36	X	-12.33	-12.33	0	%100
38	M36	Z	-21.356	-21.356	0	%100
39	M37	X	-9.419	-9.419	0	%100
40	M37	Z	-16.314	-16.314	0	%100
41	M39	X	-9.92	-9.92	0	%100
42	M39	Z	-17.183	-17.183	0	%100
43	M41	X	-12.33	-12.33	0	%100
44	M41	Z	-21.356	-21.356	0	%100
45	M42	X	-9.419	-9.419	0	%100
46	M42	Z	-16.314	-16.314	0	%100
47	M44	X	-9.92	-9.92	0	%100
48	M44	Z	-17.183	-17.183	0	%100
49	M49	X	-1.826	-1.826	0	%100
50	M49	Z	-3.163	-3.163	0	%100
51	M50A	X	-4.636	-4.636	0	%100
52	M50A	Z	-8.03	-8.03	0	%100
53	M51C	X	-4.636	-4.636	0	%100
54	M51C	Z	-8.03	-8.03	0	%100
55	M52A	X	-9.247	-9.247	0	%100
56	M52A	Z	-16.017	-16.017	0	%100
57	M55	X	-5.135	-5.135	0	%100
58	M55	Z	-8.894	-8.894	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-3.082	-3.082	0	%100
62	M60	Z	-5.339	-5.339	0	%100
63	M61	X	-9.419	-9.419	0	%100
64	M61	Z	-16.314	-16.314	0	%100
65	M63	X	-9.92	-9.92	0	%100
66	M63	Z	-17.183	-17.183	0	%100
67	M65	X	-3.082	-3.082	0	%100
68	M65	Z	-5.339	-5.339	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-5.264	-5.264	0	%100
74	M73	Z	-9.117	-9.117	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-5.264	-5.264	0	%100
78	M75	Z	-9.117	-9.117	0	%100
79	MP1A	X	-5.908	-5.908	0	%100
80	MP1A	Z	-10.233	-10.233	0	%100
81	MP2A	X	-4.881	-4.881	0	%100
82	MP2A	Z	-8.453	-8.453	0	%100
83	MP3A	X	-4.881	-4.881	0	%100
84	MP3A	Z	-8.453	-8.453	0	%100
85	MP4A	X	-4.881	-4.881	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
86	MP4A	Z	-8.453	-8.453	0	%100
87	MP1C	X	-5.908	-5.908	0	%100
88	MP1C	Z	-10.233	-10.233	0	%100
89	MP2C	X	-4.881	-4.881	0	%100
90	MP2C	Z	-8.453	-8.453	0	%100
91	MP3C	X	-4.881	-4.881	0	%100
92	MP3C	Z	-8.453	-8.453	0	%100
93	MP4C	X	-4.881	-4.881	0	%100
94	MP4C	Z	-8.453	-8.453	0	%100
95	MP1B	X	-4.881	-4.881	0	%100
96	MP1B	Z	-8.453	-8.453	0	%100
97	MP2B	X	-4.881	-4.881	0	%100
98	MP2B	Z	-8.453	-8.453	0	%100
99	MP3B	X	-4.881	-4.881	0	%100
100	MP3B	Z	-8.453	-8.453	0	%100
101	MP4B	X	-4.881	-4.881	0	%100
102	MP4B	Z	-8.453	-8.453	0	%100
103	M106	X	-4.431	-4.431	0	%100
104	M106	Z	-7.675	-7.675	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	-4.431	-4.431	0	%100
108	M108	Z	-7.675	-7.675	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-5.596	-5.596	0	%100
112	M122	Z	-9.693	-9.693	0	%100
113	M123	X	-5.596	-5.596	0	%100
114	M123	Z	-9.693	-9.693	0	%100
115	MP5B	X	-5.908	-5.908	0	%100
116	MP5B	Z	-10.233	-10.233	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.329	-3.329	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.329	-3.329	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-5.219	-5.219	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.959	-.959	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.959	-.959	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.302	-1.302	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.359	-1.359	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.302	-1.302	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
23	M91	X	0	0	0	%100
24	M91	Z	-1.359	-1.359	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-3.055	-3.055	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.832	-.832	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.832	-.832	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.305	-1.305	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.959	-.959	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-3.835	-3.835	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-3.848	-3.848	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-1.302	-1.302	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-1.359	-1.359	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-3.848	-3.848	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-5.209	-5.209	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-5.438	-5.438	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-3.055	-3.055	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.832	-.832	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.832	-.832	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-1.305	-1.305	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-3.835	-3.835	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.959	-.959	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-3.848	-3.848	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-5.209	-5.209	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-5.438	-5.438	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-3.848	-3.848	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-1.302	-1.302	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-1.359	-1.359	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-4.034	-4.034	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-1.009	-1.009	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-1.009	-1.009	0	%100
79	MP1A	X	0	0	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
80	MP1A	Z	-3.596	-3.596	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-3.245	-3.245	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.245	-3.245	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-3.245	-3.245	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-3.596	-3.596	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.245	-3.245	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-3.245	-3.245	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-3.245	-3.245	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-3.245	-3.245	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.245	-3.245	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.245	-3.245	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-3.245	-3.245	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	-3.596	-3.596	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	-.899	-.899	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	-.899	-.899	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.932	-.932	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-.932	-.932	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-3.73	-3.73	0	%100
115	MP5B	X	0	0	0	%100
116	MP5B	Z	-3.596	-3.596	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.509	.509	0	%100
2	M4	Z	-.882	-.882	0	%100
3	M10	X	1.248	1.248	0	%100
4	M10	Z	-2.162	-2.162	0	%100
5	M43	X	1.248	1.248	0	%100
6	M43	Z	-2.162	-2.162	0	%100
7	M46	X	1.957	1.957	0	%100
8	M46	Z	-3.39	-3.39	0	%100
9	M51B	X	1.438	1.438	0	%100
10	M51B	Z	-2.491	-2.491	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.641	.641	0	%100
14	M76	Z	-1.111	-1.111	0	%100
15	M77	X	1.953	1.953	0	%100
16	M77	Z	-3.384	-3.384	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
17	M80	X	2.039	2.039	0	%100
18	M80	Z	-3.532	-3.532	0	%100
19	M84	X	.641	.641	0	%100
20	M84	Z	-1.111	-1.111	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.509	.509	0	%100
26	M25	Z	-.882	-.882	0	%100
27	M26	X	1.248	1.248	0	%100
28	M26	Z	-2.162	-2.162	0	%100
29	M27	X	1.248	1.248	0	%100
30	M27	Z	-2.162	-2.162	0	%100
31	M28	X	1.957	1.957	0	%100
32	M28	Z	-3.39	-3.39	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	1.438	1.438	0	%100
36	M32	Z	-2.491	-2.491	0	%100
37	M36	X	.641	.641	0	%100
38	M36	Z	-1.111	-1.111	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.641	.641	0	%100
44	M41	Z	-1.111	-1.111	0	%100
45	M42	X	1.953	1.953	0	%100
46	M42	Z	-3.384	-3.384	0	%100
47	M44	X	2.039	2.039	0	%100
48	M44	Z	-3.532	-3.532	0	%100
49	M49	X	2.036	2.036	0	%100
50	M49	Z	-3.527	-3.527	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	1.438	1.438	0	%100
58	M55	Z	-2.491	-2.491	0	%100
59	M56	X	1.438	1.438	0	%100
60	M56	Z	-2.491	-2.491	0	%100
61	M60	X	2.566	2.566	0	%100
62	M60	Z	-4.444	-4.444	0	%100
63	M61	X	1.953	1.953	0	%100
64	M61	Z	-3.384	-3.384	0	%100
65	M63	X	2.039	2.039	0	%100
66	M63	Z	-3.532	-3.532	0	%100
67	M65	X	2.566	2.566	0	%100
68	M65	Z	-4.444	-4.444	0	%100
69	M66	X	1.953	1.953	0	%100
70	M66	Z	-3.384	-3.384	0	%100
71	M68	X	2.039	2.039	0	%100
72	M68	Z	-3.532	-3.532	0	%100
73	M73	X	1.513	1.513	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
74	M73	Z	-2.62	-2.62	0	%100
75	M74	X	1.513	1.513	0	%100
76	M74	Z	-2.62	-2.62	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	1.798	1.798	0	%100
80	MP1A	Z	-3.114	-3.114	0	%100
81	MP2A	X	1.622	1.622	0	%100
82	MP2A	Z	-2.81	-2.81	0	%100
83	MP3A	X	1.622	1.622	0	%100
84	MP3A	Z	-2.81	-2.81	0	%100
85	MP4A	X	1.622	1.622	0	%100
86	MP4A	Z	-2.81	-2.81	0	%100
87	MP1C	X	1.798	1.798	0	%100
88	MP1C	Z	-3.114	-3.114	0	%100
89	MP2C	X	1.622	1.622	0	%100
90	MP2C	Z	-2.81	-2.81	0	%100
91	MP3C	X	1.622	1.622	0	%100
92	MP3C	Z	-2.81	-2.81	0	%100
93	MP4C	X	1.622	1.622	0	%100
94	MP4C	Z	-2.81	-2.81	0	%100
95	MP1B	X	1.622	1.622	0	%100
96	MP1B	Z	-2.81	-2.81	0	%100
97	MP2B	X	1.622	1.622	0	%100
98	MP2B	Z	-2.81	-2.81	0	%100
99	MP3B	X	1.622	1.622	0	%100
100	MP3B	Z	-2.81	-2.81	0	%100
101	MP4B	X	1.622	1.622	0	%100
102	MP4B	Z	-2.81	-2.81	0	%100
103	M106	X	1.348	1.348	0	%100
104	M106	Z	-2.335	-2.335	0	%100
105	M107	X	1.348	1.348	0	%100
106	M107	Z	-2.335	-2.335	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	1.399	1.399	0	%100
110	M121	Z	-2.423	-2.423	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	1.399	1.399	0	%100
114	M123	Z	-2.423	-2.423	0	%100
115	MP5B	X	1.798	1.798	0	%100
116	MP5B	Z	-3.114	-3.114	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	2.645	2.645	0	%100
2	M4	Z	-1.527	-1.527	0	%100
3	M10	X	.721	.721	0	%100
4	M10	Z	-.416	-.416	0	%100
5	M43	X	.721	.721	0	%100
6	M43	Z	-.416	-.416	0	%100
7	M46	X	1.13	1.13	0	%100
8	M46	Z	-.652	-.652	0	%100
9	M51B	X	3.321	3.321	0	%100
10	M51B	Z	-1.917	-1.917	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
11	M52B	X	.83	.83	0	%100
12	M52B	Z	-.479	-.479	0	%100
13	M76	X	3.333	3.333	0	%100
14	M76	Z	-1.924	-1.924	0	%100
15	M77	X	4.511	4.511	0	%100
16	M77	Z	-2.605	-2.605	0	%100
17	M80	X	4.709	4.709	0	%100
18	M80	Z	-2.719	-2.719	0	%100
19	M84	X	3.333	3.333	0	%100
20	M84	Z	-1.924	-1.924	0	%100
21	M85	X	1.128	1.128	0	%100
22	M85	Z	-.651	-.651	0	%100
23	M91	X	1.177	1.177	0	%100
24	M91	Z	-.68	-.68	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.883	2.883	0	%100
28	M26	Z	-1.664	-1.664	0	%100
29	M27	X	2.883	2.883	0	%100
30	M27	Z	-1.664	-1.664	0	%100
31	M28	X	4.52	4.52	0	%100
32	M28	Z	-2.61	-2.61	0	%100
33	M31	X	.83	.83	0	%100
34	M31	Z	-.479	-.479	0	%100
35	M32	X	.83	.83	0	%100
36	M32	Z	-.479	-.479	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.128	1.128	0	%100
40	M37	Z	-.651	-.651	0	%100
41	M39	X	1.177	1.177	0	%100
42	M39	Z	-.68	-.68	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	1.128	1.128	0	%100
46	M42	Z	-.651	-.651	0	%100
47	M44	X	1.177	1.177	0	%100
48	M44	Z	-.68	-.68	0	%100
49	M49	X	2.645	2.645	0	%100
50	M49	Z	-1.527	-1.527	0	%100
51	M50A	X	.721	.721	0	%100
52	M50A	Z	-.416	-.416	0	%100
53	M51C	X	.721	.721	0	%100
54	M51C	Z	-.416	-.416	0	%100
55	M52A	X	1.13	1.13	0	%100
56	M52A	Z	-.652	-.652	0	%100
57	M55	X	.83	.83	0	%100
58	M55	Z	-.479	-.479	0	%100
59	M56	X	3.321	3.321	0	%100
60	M56	Z	-1.917	-1.917	0	%100
61	M60	X	3.333	3.333	0	%100
62	M60	Z	-1.924	-1.924	0	%100
63	M61	X	1.128	1.128	0	%100
64	M61	Z	-.651	-.651	0	%100
65	M63	X	1.177	1.177	0	%100
66	M63	Z	-.68	-.68	0	%100
67	M65	X	3.333	3.333	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
68	M65	Z	-1.924	-1.924	0	%100
69	M66	X	4.511	4.511	0	%100
70	M66	Z	-2.605	-2.605	0	%100
71	M68	X	4.709	4.709	0	%100
72	M68	Z	-2.719	-2.719	0	%100
73	M73	X	.873	.873	0	%100
74	M73	Z	-.504	-.504	0	%100
75	M74	X	3.494	3.494	0	%100
76	M74	Z	-2.017	-2.017	0	%100
77	M75	X	.873	.873	0	%100
78	M75	Z	-.504	-.504	0	%100
79	MP1A	X	3.114	3.114	0	%100
80	MP1A	Z	-1.798	-1.798	0	%100
81	MP2A	X	2.81	2.81	0	%100
82	MP2A	Z	-1.622	-1.622	0	%100
83	MP3A	X	2.81	2.81	0	%100
84	MP3A	Z	-1.622	-1.622	0	%100
85	MP4A	X	2.81	2.81	0	%100
86	MP4A	Z	-1.622	-1.622	0	%100
87	MP1C	X	3.114	3.114	0	%100
88	MP1C	Z	-1.798	-1.798	0	%100
89	MP2C	X	2.81	2.81	0	%100
90	MP2C	Z	-1.622	-1.622	0	%100
91	MP3C	X	2.81	2.81	0	%100
92	MP3C	Z	-1.622	-1.622	0	%100
93	MP4C	X	2.81	2.81	0	%100
94	MP4C	Z	-1.622	-1.622	0	%100
95	MP1B	X	2.81	2.81	0	%100
96	MP1B	Z	-1.622	-1.622	0	%100
97	MP2B	X	2.81	2.81	0	%100
98	MP2B	Z	-1.622	-1.622	0	%100
99	MP3B	X	2.81	2.81	0	%100
100	MP3B	Z	-1.622	-1.622	0	%100
101	MP4B	X	2.81	2.81	0	%100
102	MP4B	Z	-1.622	-1.622	0	%100
103	M106	X	.778	.778	0	%100
104	M106	Z	-.449	-.449	0	%100
105	M107	X	3.114	3.114	0	%100
106	M107	Z	-1.798	-1.798	0	%100
107	M108	X	.778	.778	0	%100
108	M108	Z	-.449	-.449	0	%100
109	M121	X	3.23	3.23	0	%100
110	M121	Z	-1.865	-1.865	0	%100
111	M122	X	.808	.808	0	%100
112	M122	Z	-.466	-.466	0	%100
113	M123	X	.808	.808	0	%100
114	M123	Z	-.466	-.466	0	%100
115	MP5B	X	3.114	3.114	0	%100
116	MP5B	Z	-1.798	-1.798	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	4.073	4.073	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.876	2.876	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.876	2.876	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	5.131	5.131	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	3.907	3.907	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	4.078	4.078	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	5.131	5.131	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	3.907	3.907	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	4.078	4.078	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	1.018	1.018	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	2.497	2.497	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	2.497	2.497	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	3.914	3.914	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	2.876	2.876	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	1.283	1.283	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	3.907	3.907	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	4.078	4.078	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	1.283	1.283	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	1.018	1.018	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	2.497	2.497	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	2.497	2.497	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	3.914	3.914	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	2.876	2.876	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	1.283	1.283	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	1.283	1.283	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	3.907	3.907	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	4.078	4.078	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.026	3.026	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.026	3.026	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	3.596	3.596	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	3.245	3.245	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	3.245	3.245	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	3.245	3.245	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	3.596	3.596	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	3.245	3.245	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	3.245	3.245	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	3.245	3.245	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	3.245	3.245	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	3.245	3.245	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	3.245	3.245	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	3.245	3.245	0	%100
102	MP4B	Z	0	0	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	0	0	0	%100
105	M107	X	2.697	2.697	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	2.697	2.697	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	2.797	2.797	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	2.797	2.797	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	MP5B	X	3.596	3.596	0	%100
116	MP5B	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	2.645	2.645	0	%100
2	M4	Z	1.527	1.527	0	%100
3	M10	X	.721	.721	0	%100
4	M10	Z	.416	.416	0	%100
5	M43	X	.721	.721	0	%100
6	M43	Z	.416	.416	0	%100
7	M46	X	1.13	1.13	0	%100
8	M46	Z	.652	.652	0	%100
9	M51B	X	.83	.83	0	%100
10	M51B	Z	.479	.479	0	%100
11	M52B	X	3.321	3.321	0	%100
12	M52B	Z	1.917	1.917	0	%100
13	M76	X	3.333	3.333	0	%100
14	M76	Z	1.924	1.924	0	%100
15	M77	X	1.128	1.128	0	%100
16	M77	Z	.651	.651	0	%100
17	M80	X	1.177	1.177	0	%100
18	M80	Z	.68	.68	0	%100
19	M84	X	3.333	3.333	0	%100
20	M84	Z	1.924	1.924	0	%100
21	M85	X	4.511	4.511	0	%100
22	M85	Z	2.605	2.605	0	%100
23	M91	X	4.709	4.709	0	%100
24	M91	Z	2.719	2.719	0	%100
25	M25	X	2.645	2.645	0	%100
26	M25	Z	1.527	1.527	0	%100
27	M26	X	.721	.721	0	%100
28	M26	Z	.416	.416	0	%100
29	M27	X	.721	.721	0	%100
30	M27	Z	.416	.416	0	%100
31	M28	X	1.13	1.13	0	%100
32	M28	Z	.652	.652	0	%100
33	M31	X	3.321	3.321	0	%100
34	M31	Z	1.917	1.917	0	%100
35	M32	X	.83	.83	0	%100
36	M32	Z	.479	.479	0	%100
37	M36	X	3.333	3.333	0	%100
38	M36	Z	1.924	1.924	0	%100
39	M37	X	4.511	4.511	0	%100
40	M37	Z	2.605	2.605	0	%100
41	M39	X	4.709	4.709	0	%100
42	M39	Z	2.719	2.719	0	%100
43	M41	X	3.333	3.333	0	%100
44	M41	Z	1.924	1.924	0	%100
45	M42	X	1.128	1.128	0	%100
46	M42	Z	.651	.651	0	%100
47	M44	X	1.177	1.177	0	%100
48	M44	Z	.68	.68	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	2.883	2.883	0	%100
52	M50A	Z	1.664	1.664	0	%100
53	M51C	X	2.883	2.883	0	%100
54	M51C	Z	1.664	1.664	0	%100
55	M52A	X	4.52	4.52	0	%100
56	M52A	Z	2.61	2.61	0	%100
57	M55	X	.83	.83	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
58	M55	Z	.479	.479	0	%100
59	M56	X	.83	.83	0	%100
60	M56	Z	.479	.479	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	1.128	1.128	0	%100
64	M61	Z	.651	.651	0	%100
65	M63	X	1.177	1.177	0	%100
66	M63	Z	.68	.68	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.128	1.128	0	%100
70	M66	Z	.651	.651	0	%100
71	M68	X	1.177	1.177	0	%100
72	M68	Z	.68	.68	0	%100
73	M73	X	.873	.873	0	%100
74	M73	Z	.504	.504	0	%100
75	M74	X	.873	.873	0	%100
76	M74	Z	.504	.504	0	%100
77	M75	X	3.494	3.494	0	%100
78	M75	Z	2.017	2.017	0	%100
79	MP1A	X	3.114	3.114	0	%100
80	MP1A	Z	1.798	1.798	0	%100
81	MP2A	X	2.81	2.81	0	%100
82	MP2A	Z	1.622	1.622	0	%100
83	MP3A	X	2.81	2.81	0	%100
84	MP3A	Z	1.622	1.622	0	%100
85	MP4A	X	2.81	2.81	0	%100
86	MP4A	Z	1.622	1.622	0	%100
87	MP1C	X	3.114	3.114	0	%100
88	MP1C	Z	1.798	1.798	0	%100
89	MP2C	X	2.81	2.81	0	%100
90	MP2C	Z	1.622	1.622	0	%100
91	MP3C	X	2.81	2.81	0	%100
92	MP3C	Z	1.622	1.622	0	%100
93	MP4C	X	2.81	2.81	0	%100
94	MP4C	Z	1.622	1.622	0	%100
95	MP1B	X	2.81	2.81	0	%100
96	MP1B	Z	1.622	1.622	0	%100
97	MP2B	X	2.81	2.81	0	%100
98	MP2B	Z	1.622	1.622	0	%100
99	MP3B	X	2.81	2.81	0	%100
100	MP3B	Z	1.622	1.622	0	%100
101	MP4B	X	2.81	2.81	0	%100
102	MP4B	Z	1.622	1.622	0	%100
103	M106	X	.778	.778	0	%100
104	M106	Z	.449	.449	0	%100
105	M107	X	.778	.778	0	%100
106	M107	Z	.449	.449	0	%100
107	M108	X	3.114	3.114	0	%100
108	M108	Z	1.798	1.798	0	%100
109	M121	X	.808	.808	0	%100
110	M121	Z	.466	.466	0	%100
111	M122	X	3.23	3.23	0	%100
112	M122	Z	1.865	1.865	0	%100
113	M123	X	.808	.808	0	%100
114	M123	Z	.466	.466	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
115	MP5B	X	3.114	3.114	0	%100
116	MP5B	Z	1.798	1.798	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.509	.509	0	%100
2	M4	Z	.882	.882	0	%100
3	M10	X	1.248	1.248	0	%100
4	M10	Z	2.162	2.162	0	%100
5	M43	X	1.248	1.248	0	%100
6	M43	Z	2.162	2.162	0	%100
7	M46	X	1.957	1.957	0	%100
8	M46	Z	3.39	3.39	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.438	1.438	0	%100
12	M52B	Z	2.491	2.491	0	%100
13	M76	X	.641	.641	0	%100
14	M76	Z	1.111	1.111	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.641	.641	0	%100
20	M84	Z	1.111	1.111	0	%100
21	M85	X	1.953	1.953	0	%100
22	M85	Z	3.384	3.384	0	%100
23	M91	X	2.039	2.039	0	%100
24	M91	Z	3.532	3.532	0	%100
25	M25	X	2.036	2.036	0	%100
26	M25	Z	3.527	3.527	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	1.438	1.438	0	%100
34	M31	Z	2.491	2.491	0	%100
35	M32	X	1.438	1.438	0	%100
36	M32	Z	2.491	2.491	0	%100
37	M36	X	2.566	2.566	0	%100
38	M36	Z	4.444	4.444	0	%100
39	M37	X	1.953	1.953	0	%100
40	M37	Z	3.384	3.384	0	%100
41	M39	X	2.039	2.039	0	%100
42	M39	Z	3.532	3.532	0	%100
43	M41	X	2.566	2.566	0	%100
44	M41	Z	4.444	4.444	0	%100
45	M42	X	1.953	1.953	0	%100
46	M42	Z	3.384	3.384	0	%100
47	M44	X	2.039	2.039	0	%100
48	M44	Z	3.532	3.532	0	%100
49	M49	X	.509	.509	0	%100
50	M49	Z	.882	.882	0	%100
51	M50A	X	1.248	1.248	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M50A	Z	2.162	2.162	0	%100
53	M51C	X	1.248	1.248	0	%100
54	M51C	Z	2.162	2.162	0	%100
55	M52A	X	1.957	1.957	0	%100
56	M52A	Z	3.39	3.39	0	%100
57	M55	X	1.438	1.438	0	%100
58	M55	Z	2.491	2.491	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.641	.641	0	%100
62	M60	Z	1.111	1.111	0	%100
63	M61	X	1.953	1.953	0	%100
64	M61	Z	3.384	3.384	0	%100
65	M63	X	2.039	2.039	0	%100
66	M63	Z	3.532	3.532	0	%100
67	M65	X	.641	.641	0	%100
68	M65	Z	1.111	1.111	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	1.513	1.513	0	%100
74	M73	Z	2.62	2.62	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.513	1.513	0	%100
78	M75	Z	2.62	2.62	0	%100
79	MP1A	X	1.798	1.798	0	%100
80	MP1A	Z	3.114	3.114	0	%100
81	MP2A	X	1.622	1.622	0	%100
82	MP2A	Z	2.81	2.81	0	%100
83	MP3A	X	1.622	1.622	0	%100
84	MP3A	Z	2.81	2.81	0	%100
85	MP4A	X	1.622	1.622	0	%100
86	MP4A	Z	2.81	2.81	0	%100
87	MP1C	X	1.798	1.798	0	%100
88	MP1C	Z	3.114	3.114	0	%100
89	MP2C	X	1.622	1.622	0	%100
90	MP2C	Z	2.81	2.81	0	%100
91	MP3C	X	1.622	1.622	0	%100
92	MP3C	Z	2.81	2.81	0	%100
93	MP4C	X	1.622	1.622	0	%100
94	MP4C	Z	2.81	2.81	0	%100
95	MP1B	X	1.622	1.622	0	%100
96	MP1B	Z	2.81	2.81	0	%100
97	MP2B	X	1.622	1.622	0	%100
98	MP2B	Z	2.81	2.81	0	%100
99	MP3B	X	1.622	1.622	0	%100
100	MP3B	Z	2.81	2.81	0	%100
101	MP4B	X	1.622	1.622	0	%100
102	MP4B	Z	2.81	2.81	0	%100
103	M106	X	1.348	1.348	0	%100
104	M106	Z	2.335	2.335	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	1.348	1.348	0	%100
108	M108	Z	2.335	2.335	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	1.399	1.399	0	%100
112	M122	Z	2.423	2.423	0	%100
113	M123	X	1.399	1.399	0	%100
114	M123	Z	2.423	2.423	0	%100
115	MP5B	X	1.798	1.798	0	%100
116	MP5B	Z	3.114	3.114	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.329	3.329	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.329	3.329	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	5.219	5.219	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.959	.959	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.959	.959	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.302	1.302	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.359	1.359	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	1.302	1.302	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	1.359	1.359	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	3.055	3.055	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.832	.832	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.832	.832	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.305	1.305	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	.959	.959	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	3.835	3.835	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	3.848	3.848	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	1.302	1.302	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	1.359	1.359	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	3.848	3.848	0	%100
45	M42	X	0	0	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
46	M42	Z	5.209	5.209	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	5.438	5.438	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	3.055	3.055	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.832	.832	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.832	.832	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	1.305	1.305	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	3.835	3.835	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.959	.959	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	3.848	3.848	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	5.209	5.209	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	5.438	5.438	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	3.848	3.848	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	1.302	1.302	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	1.359	1.359	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	4.034	4.034	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	1.009	1.009	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	1.009	1.009	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	3.596	3.596	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	3.245	3.245	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.245	3.245	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	3.245	3.245	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	3.596	3.596	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.245	3.245	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	3.245	3.245	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	3.245	3.245	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	3.245	3.245	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.245	3.245	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.245	3.245	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	3.245	3.245	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
103	M106	X	0	0	0	%100
104	M106	Z	3.596	3.596	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	.899	.899	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	.899	.899	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.932	.932	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	.932	.932	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	3.73	3.73	0	%100
115	MP5B	X	0	0	0	%100
116	MP5B	Z	3.596	3.596	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.509	-.509	0	%100
2	M4	Z	.882	.882	0	%100
3	M10	X	-1.248	-1.248	0	%100
4	M10	Z	2.162	2.162	0	%100
5	M43	X	-1.248	-1.248	0	%100
6	M43	Z	2.162	2.162	0	%100
7	M46	X	-1.957	-1.957	0	%100
8	M46	Z	3.39	3.39	0	%100
9	M51B	X	-1.438	-1.438	0	%100
10	M51B	Z	2.491	2.491	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.641	-.641	0	%100
14	M76	Z	1.111	1.111	0	%100
15	M77	X	-1.953	-1.953	0	%100
16	M77	Z	3.384	3.384	0	%100
17	M80	X	-2.039	-2.039	0	%100
18	M80	Z	3.532	3.532	0	%100
19	M84	X	-.641	-.641	0	%100
20	M84	Z	1.111	1.111	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.509	-.509	0	%100
26	M25	Z	.882	.882	0	%100
27	M26	X	-1.248	-1.248	0	%100
28	M26	Z	2.162	2.162	0	%100
29	M27	X	-1.248	-1.248	0	%100
30	M27	Z	2.162	2.162	0	%100
31	M28	X	-1.957	-1.957	0	%100
32	M28	Z	3.39	3.39	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-1.438	-1.438	0	%100
36	M32	Z	2.491	2.491	0	%100
37	M36	X	-.641	-.641	0	%100
38	M36	Z	1.111	1.111	0	%100
39	M37	X	0	0	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.641	-.641	0	%100
44	M41	Z	1.111	1.111	0	%100
45	M42	X	-1.953	-1.953	0	%100
46	M42	Z	3.384	3.384	0	%100
47	M44	X	-2.039	-2.039	0	%100
48	M44	Z	3.532	3.532	0	%100
49	M49	X	-2.036	-2.036	0	%100
50	M49	Z	3.527	3.527	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-1.438	-1.438	0	%100
58	M55	Z	2.491	2.491	0	%100
59	M56	X	-1.438	-1.438	0	%100
60	M56	Z	2.491	2.491	0	%100
61	M60	X	-2.566	-2.566	0	%100
62	M60	Z	4.444	4.444	0	%100
63	M61	X	-1.953	-1.953	0	%100
64	M61	Z	3.384	3.384	0	%100
65	M63	X	-2.039	-2.039	0	%100
66	M63	Z	3.532	3.532	0	%100
67	M65	X	-2.566	-2.566	0	%100
68	M65	Z	4.444	4.444	0	%100
69	M66	X	-1.953	-1.953	0	%100
70	M66	Z	3.384	3.384	0	%100
71	M68	X	-2.039	-2.039	0	%100
72	M68	Z	3.532	3.532	0	%100
73	M73	X	-1.513	-1.513	0	%100
74	M73	Z	2.62	2.62	0	%100
75	M74	X	-1.513	-1.513	0	%100
76	M74	Z	2.62	2.62	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-1.798	-1.798	0	%100
80	MP1A	Z	3.114	3.114	0	%100
81	MP2A	X	-1.622	-1.622	0	%100
82	MP2A	Z	2.81	2.81	0	%100
83	MP3A	X	-1.622	-1.622	0	%100
84	MP3A	Z	2.81	2.81	0	%100
85	MP4A	X	-1.622	-1.622	0	%100
86	MP4A	Z	2.81	2.81	0	%100
87	MP1C	X	-1.798	-1.798	0	%100
88	MP1C	Z	3.114	3.114	0	%100
89	MP2C	X	-1.622	-1.622	0	%100
90	MP2C	Z	2.81	2.81	0	%100
91	MP3C	X	-1.622	-1.622	0	%100
92	MP3C	Z	2.81	2.81	0	%100
93	MP4C	X	-1.622	-1.622	0	%100
94	MP4C	Z	2.81	2.81	0	%100
95	MP1B	X	-1.622	-1.622	0	%100
96	MP1B	Z	2.81	2.81	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	MP2B	X	-1.622	-1.622	0	%100
98	MP2B	Z	2.81	2.81	0	%100
99	MP3B	X	-1.622	-1.622	0	%100
100	MP3B	Z	2.81	2.81	0	%100
101	MP4B	X	-1.622	-1.622	0	%100
102	MP4B	Z	2.81	2.81	0	%100
103	M106	X	-1.348	-1.348	0	%100
104	M106	Z	2.335	2.335	0	%100
105	M107	X	-1.348	-1.348	0	%100
106	M107	Z	2.335	2.335	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	-1.399	-1.399	0	%100
110	M121	Z	2.423	2.423	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-1.399	-1.399	0	%100
114	M123	Z	2.423	2.423	0	%100
115	MP5B	X	-1.798	-1.798	0	%100
116	MP5B	Z	3.114	3.114	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-2.645	-2.645	0	%100
2	M4	Z	1.527	1.527	0	%100
3	M10	X	-.721	-.721	0	%100
4	M10	Z	.416	.416	0	%100
5	M43	X	-.721	-.721	0	%100
6	M43	Z	.416	.416	0	%100
7	M46	X	-1.13	-1.13	0	%100
8	M46	Z	.652	.652	0	%100
9	M51B	X	-3.321	-3.321	0	%100
10	M51B	Z	1.917	1.917	0	%100
11	M52B	X	-.83	-.83	0	%100
12	M52B	Z	.479	.479	0	%100
13	M76	X	-3.333	-3.333	0	%100
14	M76	Z	1.924	1.924	0	%100
15	M77	X	-4.511	-4.511	0	%100
16	M77	Z	2.605	2.605	0	%100
17	M80	X	-4.709	-4.709	0	%100
18	M80	Z	2.719	2.719	0	%100
19	M84	X	-3.333	-3.333	0	%100
20	M84	Z	1.924	1.924	0	%100
21	M85	X	-1.128	-1.128	0	%100
22	M85	Z	.651	.651	0	%100
23	M91	X	-1.177	-1.177	0	%100
24	M91	Z	.68	.68	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.883	-2.883	0	%100
28	M26	Z	1.664	1.664	0	%100
29	M27	X	-2.883	-2.883	0	%100
30	M27	Z	1.664	1.664	0	%100
31	M28	X	-4.52	-4.52	0	%100
32	M28	Z	2.61	2.61	0	%100
33	M31	X	-.83	-.83	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
34	M31	Z	.479	.479	0	%100
35	M32	X	-.83	-.83	0	%100
36	M32	Z	.479	.479	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.128	-1.128	0	%100
40	M37	Z	.651	.651	0	%100
41	M39	X	-1.177	-1.177	0	%100
42	M39	Z	.68	.68	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-1.128	-1.128	0	%100
46	M42	Z	.651	.651	0	%100
47	M44	X	-1.177	-1.177	0	%100
48	M44	Z	.68	.68	0	%100
49	M49	X	-2.645	-2.645	0	%100
50	M49	Z	1.527	1.527	0	%100
51	M50A	X	-.721	-.721	0	%100
52	M50A	Z	.416	.416	0	%100
53	M51C	X	-.721	-.721	0	%100
54	M51C	Z	.416	.416	0	%100
55	M52A	X	-1.13	-1.13	0	%100
56	M52A	Z	.652	.652	0	%100
57	M55	X	-.83	-.83	0	%100
58	M55	Z	.479	.479	0	%100
59	M56	X	-3.321	-3.321	0	%100
60	M56	Z	1.917	1.917	0	%100
61	M60	X	-3.333	-3.333	0	%100
62	M60	Z	1.924	1.924	0	%100
63	M61	X	-1.128	-1.128	0	%100
64	M61	Z	.651	.651	0	%100
65	M63	X	-1.177	-1.177	0	%100
66	M63	Z	.68	.68	0	%100
67	M65	X	-3.333	-3.333	0	%100
68	M65	Z	1.924	1.924	0	%100
69	M66	X	-4.511	-4.511	0	%100
70	M66	Z	2.605	2.605	0	%100
71	M68	X	-4.709	-4.709	0	%100
72	M68	Z	2.719	2.719	0	%100
73	M73	X	-.873	-.873	0	%100
74	M73	Z	.504	.504	0	%100
75	M74	X	-3.494	-3.494	0	%100
76	M74	Z	2.017	2.017	0	%100
77	M75	X	-.873	-.873	0	%100
78	M75	Z	.504	.504	0	%100
79	MP1A	X	-3.114	-3.114	0	%100
80	MP1A	Z	1.798	1.798	0	%100
81	MP2A	X	-2.81	-2.81	0	%100
82	MP2A	Z	1.622	1.622	0	%100
83	MP3A	X	-2.81	-2.81	0	%100
84	MP3A	Z	1.622	1.622	0	%100
85	MP4A	X	-2.81	-2.81	0	%100
86	MP4A	Z	1.622	1.622	0	%100
87	MP1C	X	-3.114	-3.114	0	%100
88	MP1C	Z	1.798	1.798	0	%100
89	MP2C	X	-2.81	-2.81	0	%100
90	MP2C	Z	1.622	1.622	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
91	MP3C	X	-2.81	-2.81	0	%100
92	MP3C	Z	1.622	1.622	0	%100
93	MP4C	X	-2.81	-2.81	0	%100
94	MP4C	Z	1.622	1.622	0	%100
95	MP1B	X	-2.81	-2.81	0	%100
96	MP1B	Z	1.622	1.622	0	%100
97	MP2B	X	-2.81	-2.81	0	%100
98	MP2B	Z	1.622	1.622	0	%100
99	MP3B	X	-2.81	-2.81	0	%100
100	MP3B	Z	1.622	1.622	0	%100
101	MP4B	X	-2.81	-2.81	0	%100
102	MP4B	Z	1.622	1.622	0	%100
103	M106	X	-.778	-.778	0	%100
104	M106	Z	.449	.449	0	%100
105	M107	X	-3.114	-3.114	0	%100
106	M107	Z	1.798	1.798	0	%100
107	M108	X	-.778	-.778	0	%100
108	M108	Z	.449	.449	0	%100
109	M121	X	-3.23	-3.23	0	%100
110	M121	Z	1.865	1.865	0	%100
111	M122	X	-.808	-.808	0	%100
112	M122	Z	.466	.466	0	%100
113	M123	X	-.808	-.808	0	%100
114	M123	Z	.466	.466	0	%100
115	MP5B	X	-3.114	-3.114	0	%100
116	MP5B	Z	1.798	1.798	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-4.073	-4.073	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.876	-2.876	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.876	-2.876	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-5.131	-5.131	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-3.907	-3.907	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-4.078	-4.078	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-5.131	-5.131	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-3.907	-3.907	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-4.078	-4.078	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-1.018	-1.018	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-2.497	-2.497	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
28	M26	Z	0	0	0	%100
29	M27	X	-2.497	-2.497	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-3.914	-3.914	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-2.876	-2.876	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-1.283	-1.283	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-3.907	-3.907	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-4.078	-4.078	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-1.283	-1.283	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-1.018	-1.018	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-2.497	-2.497	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-2.497	-2.497	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-3.914	-3.914	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-2.876	-2.876	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-1.283	-1.283	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-1.283	-1.283	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-3.907	-3.907	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-4.078	-4.078	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-3.026	-3.026	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-3.026	-3.026	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-3.596	-3.596	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-3.245	-3.245	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-3.245	-3.245	0	%100
84	MP3A	Z	0	0	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
85	MP4A	X	-3.245	-3.245	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-3.596	-3.596	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-3.245	-3.245	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-3.245	-3.245	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-3.245	-3.245	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-3.245	-3.245	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-3.245	-3.245	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.245	-3.245	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-3.245	-3.245	0	%100
102	MP4B	Z	0	0	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	0	0	0	%100
105	M107	X	-2.697	-2.697	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	-2.697	-2.697	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	-2.797	-2.797	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-2.797	-2.797	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	MP5B	X	-3.596	-3.596	0	%100
116	MP5B	Z	0	0	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-2.645	-2.645	0	%100
2	M4	Z	-1.527	-1.527	0	%100
3	M10	X	-.721	-.721	0	%100
4	M10	Z	-.416	-.416	0	%100
5	M43	X	-.721	-.721	0	%100
6	M43	Z	-.416	-.416	0	%100
7	M46	X	-1.13	-1.13	0	%100
8	M46	Z	-.652	-.652	0	%100
9	M51B	X	-.83	-.83	0	%100
10	M51B	Z	-.479	-.479	0	%100
11	M52B	X	-3.321	-3.321	0	%100
12	M52B	Z	-1.917	-1.917	0	%100
13	M76	X	-3.333	-3.333	0	%100
14	M76	Z	-1.924	-1.924	0	%100
15	M77	X	-1.128	-1.128	0	%100
16	M77	Z	-.651	-.651	0	%100
17	M80	X	-1.177	-1.177	0	%100
18	M80	Z	-.68	-.68	0	%100
19	M84	X	-3.333	-3.333	0	%100
20	M84	Z	-1.924	-1.924	0	%100
21	M85	X	-4.511	-4.511	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
22	M85	Z	-2.605	-2.605	0	%100
23	M91	X	-4.709	-4.709	0	%100
24	M91	Z	-2.719	-2.719	0	%100
25	M25	X	-2.645	-2.645	0	%100
26	M25	Z	-1.527	-1.527	0	%100
27	M26	X	-.721	-.721	0	%100
28	M26	Z	-.416	-.416	0	%100
29	M27	X	-.721	-.721	0	%100
30	M27	Z	-.416	-.416	0	%100
31	M28	X	-1.13	-1.13	0	%100
32	M28	Z	-.652	-.652	0	%100
33	M31	X	-3.321	-3.321	0	%100
34	M31	Z	-1.917	-1.917	0	%100
35	M32	X	-.83	-.83	0	%100
36	M32	Z	-.479	-.479	0	%100
37	M36	X	-3.333	-3.333	0	%100
38	M36	Z	-1.924	-1.924	0	%100
39	M37	X	-4.511	-4.511	0	%100
40	M37	Z	-2.605	-2.605	0	%100
41	M39	X	-4.709	-4.709	0	%100
42	M39	Z	-2.719	-2.719	0	%100
43	M41	X	-3.333	-3.333	0	%100
44	M41	Z	-1.924	-1.924	0	%100
45	M42	X	-1.128	-1.128	0	%100
46	M42	Z	-.651	-.651	0	%100
47	M44	X	-1.177	-1.177	0	%100
48	M44	Z	-.68	-.68	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-2.883	-2.883	0	%100
52	M50A	Z	-1.664	-1.664	0	%100
53	M51C	X	-2.883	-2.883	0	%100
54	M51C	Z	-1.664	-1.664	0	%100
55	M52A	X	-4.52	-4.52	0	%100
56	M52A	Z	-2.61	-2.61	0	%100
57	M55	X	-.83	-.83	0	%100
58	M55	Z	-.479	-.479	0	%100
59	M56	X	-.83	-.83	0	%100
60	M56	Z	-.479	-.479	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-1.128	-1.128	0	%100
64	M61	Z	-.651	-.651	0	%100
65	M63	X	-1.177	-1.177	0	%100
66	M63	Z	-.68	-.68	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.128	-1.128	0	%100
70	M66	Z	-.651	-.651	0	%100
71	M68	X	-1.177	-1.177	0	%100
72	M68	Z	-.68	-.68	0	%100
73	M73	X	-.873	-.873	0	%100
74	M73	Z	-.504	-.504	0	%100
75	M74	X	-.873	-.873	0	%100
76	M74	Z	-.504	-.504	0	%100
77	M75	X	-3.494	-3.494	0	%100
78	M75	Z	-2.017	-2.017	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
79	MP1A	X	-3.114	-3.114	0	%100
80	MP1A	Z	-1.798	-1.798	0	%100
81	MP2A	X	-2.81	-2.81	0	%100
82	MP2A	Z	-1.622	-1.622	0	%100
83	MP3A	X	-2.81	-2.81	0	%100
84	MP3A	Z	-1.622	-1.622	0	%100
85	MP4A	X	-2.81	-2.81	0	%100
86	MP4A	Z	-1.622	-1.622	0	%100
87	MP1C	X	-3.114	-3.114	0	%100
88	MP1C	Z	-1.798	-1.798	0	%100
89	MP2C	X	-2.81	-2.81	0	%100
90	MP2C	Z	-1.622	-1.622	0	%100
91	MP3C	X	-2.81	-2.81	0	%100
92	MP3C	Z	-1.622	-1.622	0	%100
93	MP4C	X	-2.81	-2.81	0	%100
94	MP4C	Z	-1.622	-1.622	0	%100
95	MP1B	X	-2.81	-2.81	0	%100
96	MP1B	Z	-1.622	-1.622	0	%100
97	MP2B	X	-2.81	-2.81	0	%100
98	MP2B	Z	-1.622	-1.622	0	%100
99	MP3B	X	-2.81	-2.81	0	%100
100	MP3B	Z	-1.622	-1.622	0	%100
101	MP4B	X	-2.81	-2.81	0	%100
102	MP4B	Z	-1.622	-1.622	0	%100
103	M106	X	-.778	-.778	0	%100
104	M106	Z	-.449	-.449	0	%100
105	M107	X	-.778	-.778	0	%100
106	M107	Z	-.449	-.449	0	%100
107	M108	X	-3.114	-3.114	0	%100
108	M108	Z	-1.798	-1.798	0	%100
109	M121	X	-.808	-.808	0	%100
110	M121	Z	-.466	-.466	0	%100
111	M122	X	-3.23	-3.23	0	%100
112	M122	Z	-1.865	-1.865	0	%100
113	M123	X	-.808	-.808	0	%100
114	M123	Z	-.466	-.466	0	%100
115	MP5B	X	-3.114	-3.114	0	%100
116	MP5B	Z	-1.798	-1.798	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.509	-.509	0	%100
2	M4	Z	-.882	-.882	0	%100
3	M10	X	-1.248	-1.248	0	%100
4	M10	Z	-2.162	-2.162	0	%100
5	M43	X	-1.248	-1.248	0	%100
6	M43	Z	-2.162	-2.162	0	%100
7	M46	X	-1.957	-1.957	0	%100
8	M46	Z	-3.39	-3.39	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.438	-1.438	0	%100
12	M52B	Z	-2.491	-2.491	0	%100
13	M76	X	-.641	-.641	0	%100
14	M76	Z	-1.111	-1.111	0	%100
15	M77	X	0	0	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.641	-.641	0	%100
20	M84	Z	-1.111	-1.111	0	%100
21	M85	X	-1.953	-1.953	0	%100
22	M85	Z	-3.384	-3.384	0	%100
23	M91	X	-2.039	-2.039	0	%100
24	M91	Z	-3.532	-3.532	0	%100
25	M25	X	-2.036	-2.036	0	%100
26	M25	Z	-3.527	-3.527	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-1.438	-1.438	0	%100
34	M31	Z	-2.491	-2.491	0	%100
35	M32	X	-1.438	-1.438	0	%100
36	M32	Z	-2.491	-2.491	0	%100
37	M36	X	-2.566	-2.566	0	%100
38	M36	Z	-4.444	-4.444	0	%100
39	M37	X	-1.953	-1.953	0	%100
40	M37	Z	-3.384	-3.384	0	%100
41	M39	X	-2.039	-2.039	0	%100
42	M39	Z	-3.532	-3.532	0	%100
43	M41	X	-2.566	-2.566	0	%100
44	M41	Z	-4.444	-4.444	0	%100
45	M42	X	-1.953	-1.953	0	%100
46	M42	Z	-3.384	-3.384	0	%100
47	M44	X	-2.039	-2.039	0	%100
48	M44	Z	-3.532	-3.532	0	%100
49	M49	X	-.509	-.509	0	%100
50	M49	Z	-.882	-.882	0	%100
51	M50A	X	-1.248	-1.248	0	%100
52	M50A	Z	-2.162	-2.162	0	%100
53	M51C	X	-1.248	-1.248	0	%100
54	M51C	Z	-2.162	-2.162	0	%100
55	M52A	X	-1.957	-1.957	0	%100
56	M52A	Z	-3.39	-3.39	0	%100
57	M55	X	-1.438	-1.438	0	%100
58	M55	Z	-2.491	-2.491	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.641	-.641	0	%100
62	M60	Z	-1.111	-1.111	0	%100
63	M61	X	-1.953	-1.953	0	%100
64	M61	Z	-3.384	-3.384	0	%100
65	M63	X	-2.039	-2.039	0	%100
66	M63	Z	-3.532	-3.532	0	%100
67	M65	X	-.641	-.641	0	%100
68	M65	Z	-1.111	-1.111	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
73	M73	X	-1.513	-1.513	0	%100
74	M73	Z	-2.62	-2.62	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.513	-1.513	0	%100
78	M75	Z	-2.62	-2.62	0	%100
79	MP1A	X	-1.798	-1.798	0	%100
80	MP1A	Z	-3.114	-3.114	0	%100
81	MP2A	X	-1.622	-1.622	0	%100
82	MP2A	Z	-2.81	-2.81	0	%100
83	MP3A	X	-1.622	-1.622	0	%100
84	MP3A	Z	-2.81	-2.81	0	%100
85	MP4A	X	-1.622	-1.622	0	%100
86	MP4A	Z	-2.81	-2.81	0	%100
87	MP1C	X	-1.798	-1.798	0	%100
88	MP1C	Z	-3.114	-3.114	0	%100
89	MP2C	X	-1.622	-1.622	0	%100
90	MP2C	Z	-2.81	-2.81	0	%100
91	MP3C	X	-1.622	-1.622	0	%100
92	MP3C	Z	-2.81	-2.81	0	%100
93	MP4C	X	-1.622	-1.622	0	%100
94	MP4C	Z	-2.81	-2.81	0	%100
95	MP1B	X	-1.622	-1.622	0	%100
96	MP1B	Z	-2.81	-2.81	0	%100
97	MP2B	X	-1.622	-1.622	0	%100
98	MP2B	Z	-2.81	-2.81	0	%100
99	MP3B	X	-1.622	-1.622	0	%100
100	MP3B	Z	-2.81	-2.81	0	%100
101	MP4B	X	-1.622	-1.622	0	%100
102	MP4B	Z	-2.81	-2.81	0	%100
103	M106	X	-1.348	-1.348	0	%100
104	M106	Z	-2.335	-2.335	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	-1.348	-1.348	0	%100
108	M108	Z	-2.335	-2.335	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-1.399	-1.399	0	%100
112	M122	Z	-2.423	-2.423	0	%100
113	M123	X	-1.399	-1.399	0	%100
114	M123	Z	-2.423	-2.423	0	%100
115	MP5B	X	-1.798	-1.798	0	%100
116	MP5B	Z	-3.114	-3.114	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.76	-.76	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.76	-.76	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.516	-1.516	0	%100
9	M51B	X	0	0	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
10	M51B	Z	-.21	-.21	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.21	-.21	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.386	-.386	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.407	-.407	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.386	-.386	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.407	-.407	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	-.674	-.674	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	-.19	-.19	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	-.19	-.19	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.379	-.379	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	-.21	-.21	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	-.842	-.842	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	-1.137	-1.137	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.386	-.386	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	-.407	-.407	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-1.137	-1.137	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-1.544	-1.544	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	-1.626	-1.626	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.674	-.674	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	-.19	-.19	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	-.19	-.19	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	-.379	-.379	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-.842	-.842	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.21	-.21	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-1.137	-1.137	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-1.544	-1.544	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.626	-1.626	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
67	M65	X	0	0	0	%100
68	M65	Z	-1.137	-1.137	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.386	-.386	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-.407	-.407	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.863	-.863	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.216	-.216	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.216	-.216	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	-.726	-.726	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	-.6	-.6	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.6	-.6	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.6	-.6	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-.726	-.726	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.6	-.6	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.6	-.6	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	-.6	-.6	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-.6	-.6	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.6	-.6	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.6	-.6	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.6	-.6	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	-.726	-.726	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	-.182	-.182	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	-.182	-.182	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	-.229	-.229	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	-.229	-.229	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	-.917	-.917	0	%100
115	MP5B	X	0	0	0	%100
116	MP5B	Z	-.726	-.726	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.112	.112	0	%100
2	M4	Z	-.194	-.194	0	%100
3	M10	X	.285	.285	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
4	M10	Z	-.494	-.494	0	%100
5	M43	X	.285	.285	0	%100
6	M43	Z	-.494	-.494	0	%100
7	M46	X	.568	.568	0	%100
8	M46	Z	-.985	-.985	0	%100
9	M51B	X	.316	.316	0	%100
10	M51B	Z	-.547	-.547	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.189	.189	0	%100
14	M76	Z	-.328	-.328	0	%100
15	M77	X	.579	.579	0	%100
16	M77	Z	-1.003	-1.003	0	%100
17	M80	X	.61	.61	0	%100
18	M80	Z	-1.056	-1.056	0	%100
19	M84	X	.189	.189	0	%100
20	M84	Z	-.328	-.328	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.112	.112	0	%100
26	M25	Z	-.194	-.194	0	%100
27	M26	X	.285	.285	0	%100
28	M26	Z	-.494	-.494	0	%100
29	M27	X	.285	.285	0	%100
30	M27	Z	-.494	-.494	0	%100
31	M28	X	.568	.568	0	%100
32	M28	Z	-.985	-.985	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	.316	.316	0	%100
36	M32	Z	-.547	-.547	0	%100
37	M36	X	.189	.189	0	%100
38	M36	Z	-.328	-.328	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.189	.189	0	%100
44	M41	Z	-.328	-.328	0	%100
45	M42	X	.579	.579	0	%100
46	M42	Z	-1.003	-1.003	0	%100
47	M44	X	.61	.61	0	%100
48	M44	Z	-1.056	-1.056	0	%100
49	M49	X	.449	.449	0	%100
50	M49	Z	-.778	-.778	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	.316	.316	0	%100
58	M55	Z	-.547	-.547	0	%100
59	M56	X	.316	.316	0	%100
60	M56	Z	-.547	-.547	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
61	M60	X	.758	.758	0	%100
62	M60	Z	-1.313	-1.313	0	%100
63	M61	X	.579	.579	0	%100
64	M61	Z	-1.003	-1.003	0	%100
65	M63	X	.61	.61	0	%100
66	M63	Z	-1.056	-1.056	0	%100
67	M65	X	.758	.758	0	%100
68	M65	Z	-1.313	-1.313	0	%100
69	M66	X	.579	.579	0	%100
70	M66	Z	-1.003	-1.003	0	%100
71	M68	X	.61	.61	0	%100
72	M68	Z	-1.056	-1.056	0	%100
73	M73	X	.324	.324	0	%100
74	M73	Z	-.56	-.56	0	%100
75	M74	X	.324	.324	0	%100
76	M74	Z	-.56	-.56	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.363	.363	0	%100
80	MP1A	Z	-.629	-.629	0	%100
81	MP2A	X	.3	.3	0	%100
82	MP2A	Z	-.52	-.52	0	%100
83	MP3A	X	.3	.3	0	%100
84	MP3A	Z	-.52	-.52	0	%100
85	MP4A	X	.3	.3	0	%100
86	MP4A	Z	-.52	-.52	0	%100
87	MP1C	X	.363	.363	0	%100
88	MP1C	Z	-.629	-.629	0	%100
89	MP2C	X	.3	.3	0	%100
90	MP2C	Z	-.52	-.52	0	%100
91	MP3C	X	.3	.3	0	%100
92	MP3C	Z	-.52	-.52	0	%100
93	MP4C	X	.3	.3	0	%100
94	MP4C	Z	-.52	-.52	0	%100
95	MP1B	X	.3	.3	0	%100
96	MP1B	Z	-.52	-.52	0	%100
97	MP2B	X	.3	.3	0	%100
98	MP2B	Z	-.52	-.52	0	%100
99	MP3B	X	.3	.3	0	%100
100	MP3B	Z	-.52	-.52	0	%100
101	MP4B	X	.3	.3	0	%100
102	MP4B	Z	-.52	-.52	0	%100
103	M106	X	.272	.272	0	%100
104	M106	Z	-.472	-.472	0	%100
105	M107	X	.272	.272	0	%100
106	M107	Z	-.472	-.472	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	.344	.344	0	%100
110	M121	Z	-.596	-.596	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	.344	.344	0	%100
114	M123	Z	-.596	-.596	0	%100
115	MP5B	X	.363	.363	0	%100
116	MP5B	Z	-.629	-.629	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.583	.583	0	%100
2	M4	Z	-.337	-.337	0	%100
3	M10	X	.165	.165	0	%100
4	M10	Z	-.095	-.095	0	%100
5	M43	X	.165	.165	0	%100
6	M43	Z	-.095	-.095	0	%100
7	M46	X	.328	.328	0	%100
8	M46	Z	-.189	-.189	0	%100
9	M51B	X	.729	.729	0	%100
10	M51B	Z	-.421	-.421	0	%100
11	M52B	X	.182	.182	0	%100
12	M52B	Z	-.105	-.105	0	%100
13	M76	X	.985	.985	0	%100
14	M76	Z	-.568	-.568	0	%100
15	M77	X	1.337	1.337	0	%100
16	M77	Z	-.772	-.772	0	%100
17	M80	X	1.408	1.408	0	%100
18	M80	Z	-.813	-.813	0	%100
19	M84	X	.985	.985	0	%100
20	M84	Z	-.568	-.568	0	%100
21	M85	X	.334	.334	0	%100
22	M85	Z	-.193	-.193	0	%100
23	M91	X	.352	.352	0	%100
24	M91	Z	-.203	-.203	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.658	.658	0	%100
28	M26	Z	-.38	-.38	0	%100
29	M27	X	.658	.658	0	%100
30	M27	Z	-.38	-.38	0	%100
31	M28	X	1.313	1.313	0	%100
32	M28	Z	-.758	-.758	0	%100
33	M31	X	.182	.182	0	%100
34	M31	Z	-.105	-.105	0	%100
35	M32	X	.182	.182	0	%100
36	M32	Z	-.105	-.105	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	.334	.334	0	%100
40	M37	Z	-.193	-.193	0	%100
41	M39	X	.352	.352	0	%100
42	M39	Z	-.203	-.203	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.334	.334	0	%100
46	M42	Z	-.193	-.193	0	%100
47	M44	X	.352	.352	0	%100
48	M44	Z	-.203	-.203	0	%100
49	M49	X	.583	.583	0	%100
50	M49	Z	-.337	-.337	0	%100
51	M50A	X	.165	.165	0	%100
52	M50A	Z	-.095	-.095	0	%100
53	M51C	X	.165	.165	0	%100
54	M51C	Z	-.095	-.095	0	%100
55	M52A	X	.328	.328	0	%100
56	M52A	Z	-.189	-.189	0	%100
57	M55	X	.182	.182	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
58	M55	Z	-.105	-.105	0	%100
59	M56	X	.729	.729	0	%100
60	M56	Z	-.421	-.421	0	%100
61	M60	X	.985	.985	0	%100
62	M60	Z	-.568	-.568	0	%100
63	M61	X	.334	.334	0	%100
64	M61	Z	-.193	-.193	0	%100
65	M63	X	.352	.352	0	%100
66	M63	Z	-.203	-.203	0	%100
67	M65	X	.985	.985	0	%100
68	M65	Z	-.568	-.568	0	%100
69	M66	X	1.337	1.337	0	%100
70	M66	Z	-.772	-.772	0	%100
71	M68	X	1.408	1.408	0	%100
72	M68	Z	-.813	-.813	0	%100
73	M73	X	.187	.187	0	%100
74	M73	Z	-.108	-.108	0	%100
75	M74	X	.747	.747	0	%100
76	M74	Z	-.431	-.431	0	%100
77	M75	X	.187	.187	0	%100
78	M75	Z	-.108	-.108	0	%100
79	MP1A	X	.629	.629	0	%100
80	MP1A	Z	-.363	-.363	0	%100
81	MP2A	X	.52	.52	0	%100
82	MP2A	Z	-.3	-.3	0	%100
83	MP3A	X	.52	.52	0	%100
84	MP3A	Z	-.3	-.3	0	%100
85	MP4A	X	.52	.52	0	%100
86	MP4A	Z	-.3	-.3	0	%100
87	MP1C	X	.629	.629	0	%100
88	MP1C	Z	-.363	-.363	0	%100
89	MP2C	X	.52	.52	0	%100
90	MP2C	Z	-.3	-.3	0	%100
91	MP3C	X	.52	.52	0	%100
92	MP3C	Z	-.3	-.3	0	%100
93	MP4C	X	.52	.52	0	%100
94	MP4C	Z	-.3	-.3	0	%100
95	MP1B	X	.52	.52	0	%100
96	MP1B	Z	-.3	-.3	0	%100
97	MP2B	X	.52	.52	0	%100
98	MP2B	Z	-.3	-.3	0	%100
99	MP3B	X	.52	.52	0	%100
100	MP3B	Z	-.3	-.3	0	%100
101	MP4B	X	.52	.52	0	%100
102	MP4B	Z	-.3	-.3	0	%100
103	M106	X	.157	.157	0	%100
104	M106	Z	-.091	-.091	0	%100
105	M107	X	.629	.629	0	%100
106	M107	Z	-.363	-.363	0	%100
107	M108	X	.157	.157	0	%100
108	M108	Z	-.091	-.091	0	%100
109	M121	X	.794	.794	0	%100
110	M121	Z	-.459	-.459	0	%100
111	M122	X	.199	.199	0	%100
112	M122	Z	-.115	-.115	0	%100
113	M123	X	.199	.199	0	%100
114	M123	Z	-.115	-.115	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
115	MP5B	X	.629	.629	0	%100
116	MP5B	Z	-.363	-.363	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.898	.898	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.631	.631	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.631	.631	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.516	1.516	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.158	1.158	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	1.22	1.22	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.516	1.516	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	1.158	1.158	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.22	1.22	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	.225	.225	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	.57	.57	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	.57	.57	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	1.137	1.137	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.631	.631	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	.379	.379	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	1.158	1.158	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	1.22	1.22	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	.379	.379	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	.225	.225	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.57	.57	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M50A	Z	0	0	0	%100
53	M51C	X	.57	.57	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	1.137	1.137	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	.631	.631	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.379	.379	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.379	.379	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.158	1.158	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	1.22	1.22	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.647	.647	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.647	.647	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	.726	.726	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	.6	.6	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	.6	.6	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	.6	.6	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	.726	.726	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	.6	.6	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	.6	.6	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	.6	.6	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	.6	.6	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	.6	.6	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.6	.6	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.6	.6	0	%100
102	MP4B	Z	0	0	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	0	0	0	%100
105	M107	X	.545	.545	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	.545	.545	0	%100
108	M108	Z	0	0	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
109	M121	X	.688	.688	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	.688	.688	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	MP5B	X	.726	.726	0	%100
116	MP5B	Z	0	0	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.583	.583	0	%100
2	M4	Z	.337	.337	0	%100
3	M10	X	.165	.165	0	%100
4	M10	Z	.095	.095	0	%100
5	M43	X	.165	.165	0	%100
6	M43	Z	.095	.095	0	%100
7	M46	X	.328	.328	0	%100
8	M46	Z	.189	.189	0	%100
9	M51B	X	.182	.182	0	%100
10	M51B	Z	.105	.105	0	%100
11	M52B	X	.729	.729	0	%100
12	M52B	Z	.421	.421	0	%100
13	M76	X	.985	.985	0	%100
14	M76	Z	.568	.568	0	%100
15	M77	X	.334	.334	0	%100
16	M77	Z	.193	.193	0	%100
17	M80	X	.352	.352	0	%100
18	M80	Z	.203	.203	0	%100
19	M84	X	.985	.985	0	%100
20	M84	Z	.568	.568	0	%100
21	M85	X	1.337	1.337	0	%100
22	M85	Z	.772	.772	0	%100
23	M91	X	1.408	1.408	0	%100
24	M91	Z	.813	.813	0	%100
25	M25	X	.583	.583	0	%100
26	M25	Z	.337	.337	0	%100
27	M26	X	.165	.165	0	%100
28	M26	Z	.095	.095	0	%100
29	M27	X	.165	.165	0	%100
30	M27	Z	.095	.095	0	%100
31	M28	X	.328	.328	0	%100
32	M28	Z	.189	.189	0	%100
33	M31	X	.729	.729	0	%100
34	M31	Z	.421	.421	0	%100
35	M32	X	.182	.182	0	%100
36	M32	Z	.105	.105	0	%100
37	M36	X	.985	.985	0	%100
38	M36	Z	.568	.568	0	%100
39	M37	X	1.337	1.337	0	%100
40	M37	Z	.772	.772	0	%100
41	M39	X	1.408	1.408	0	%100
42	M39	Z	.813	.813	0	%100
43	M41	X	.985	.985	0	%100
44	M41	Z	.568	.568	0	%100
45	M42	X	.334	.334	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
46	M42	Z	.193	.193	0	%100
47	M44	X	.352	.352	0	%100
48	M44	Z	.203	.203	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	.658	.658	0	%100
52	M50A	Z	.38	.38	0	%100
53	M51C	X	.658	.658	0	%100
54	M51C	Z	.38	.38	0	%100
55	M52A	X	1.313	1.313	0	%100
56	M52A	Z	.758	.758	0	%100
57	M55	X	.182	.182	0	%100
58	M55	Z	.105	.105	0	%100
59	M56	X	.182	.182	0	%100
60	M56	Z	.105	.105	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.334	.334	0	%100
64	M61	Z	.193	.193	0	%100
65	M63	X	.352	.352	0	%100
66	M63	Z	.203	.203	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.334	.334	0	%100
70	M66	Z	.193	.193	0	%100
71	M68	X	.352	.352	0	%100
72	M68	Z	.203	.203	0	%100
73	M73	X	.187	.187	0	%100
74	M73	Z	.108	.108	0	%100
75	M74	X	.187	.187	0	%100
76	M74	Z	.108	.108	0	%100
77	M75	X	.747	.747	0	%100
78	M75	Z	.431	.431	0	%100
79	MP1A	X	.629	.629	0	%100
80	MP1A	Z	.363	.363	0	%100
81	MP2A	X	.52	.52	0	%100
82	MP2A	Z	.3	.3	0	%100
83	MP3A	X	.52	.52	0	%100
84	MP3A	Z	.3	.3	0	%100
85	MP4A	X	.52	.52	0	%100
86	MP4A	Z	.3	.3	0	%100
87	MP1C	X	.629	.629	0	%100
88	MP1C	Z	.363	.363	0	%100
89	MP2C	X	.52	.52	0	%100
90	MP2C	Z	.3	.3	0	%100
91	MP3C	X	.52	.52	0	%100
92	MP3C	Z	.3	.3	0	%100
93	MP4C	X	.52	.52	0	%100
94	MP4C	Z	.3	.3	0	%100
95	MP1B	X	.52	.52	0	%100
96	MP1B	Z	.3	.3	0	%100
97	MP2B	X	.52	.52	0	%100
98	MP2B	Z	.3	.3	0	%100
99	MP3B	X	.52	.52	0	%100
100	MP3B	Z	.3	.3	0	%100
101	MP4B	X	.52	.52	0	%100
102	MP4B	Z	.3	.3	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
103	M106	X	.157	.157	0	%100
104	M106	Z	.091	.091	0	%100
105	M107	X	.157	.157	0	%100
106	M107	Z	.091	.091	0	%100
107	M108	X	.629	.629	0	%100
108	M108	Z	.363	.363	0	%100
109	M121	X	.199	.199	0	%100
110	M121	Z	.115	.115	0	%100
111	M122	X	.794	.794	0	%100
112	M122	Z	.459	.459	0	%100
113	M123	X	.199	.199	0	%100
114	M123	Z	.115	.115	0	%100
115	MP5B	X	.629	.629	0	%100
116	MP5B	Z	.363	.363	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	.112	.112	0	%100
2	M4	Z	.194	.194	0	%100
3	M10	X	.285	.285	0	%100
4	M10	Z	.494	.494	0	%100
5	M43	X	.285	.285	0	%100
6	M43	Z	.494	.494	0	%100
7	M46	X	.568	.568	0	%100
8	M46	Z	.985	.985	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.316	.316	0	%100
12	M52B	Z	.547	.547	0	%100
13	M76	X	.189	.189	0	%100
14	M76	Z	.328	.328	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	.189	.189	0	%100
20	M84	Z	.328	.328	0	%100
21	M85	X	.579	.579	0	%100
22	M85	Z	1.003	1.003	0	%100
23	M91	X	.61	.61	0	%100
24	M91	Z	1.056	1.056	0	%100
25	M25	X	.449	.449	0	%100
26	M25	Z	.778	.778	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	.316	.316	0	%100
34	M31	Z	.547	.547	0	%100
35	M32	X	.316	.316	0	%100
36	M32	Z	.547	.547	0	%100
37	M36	X	.758	.758	0	%100
38	M36	Z	1.313	1.313	0	%100
39	M37	X	.579	.579	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
40	M37	Z	1.003	1.003	0	%100
41	M39	X	.61	.61	0	%100
42	M39	Z	1.056	1.056	0	%100
43	M41	X	.758	.758	0	%100
44	M41	Z	1.313	1.313	0	%100
45	M42	X	.579	.579	0	%100
46	M42	Z	1.003	1.003	0	%100
47	M44	X	.61	.61	0	%100
48	M44	Z	1.056	1.056	0	%100
49	M49	X	.112	.112	0	%100
50	M49	Z	.194	.194	0	%100
51	M50A	X	.285	.285	0	%100
52	M50A	Z	.494	.494	0	%100
53	M51C	X	.285	.285	0	%100
54	M51C	Z	.494	.494	0	%100
55	M52A	X	.568	.568	0	%100
56	M52A	Z	.985	.985	0	%100
57	M55	X	.316	.316	0	%100
58	M55	Z	.547	.547	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.189	.189	0	%100
62	M60	Z	.328	.328	0	%100
63	M61	X	.579	.579	0	%100
64	M61	Z	1.003	1.003	0	%100
65	M63	X	.61	.61	0	%100
66	M63	Z	1.056	1.056	0	%100
67	M65	X	.189	.189	0	%100
68	M65	Z	.328	.328	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	.324	.324	0	%100
74	M73	Z	.56	.56	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.324	.324	0	%100
78	M75	Z	.56	.56	0	%100
79	MP1A	X	.363	.363	0	%100
80	MP1A	Z	.629	.629	0	%100
81	MP2A	X	.3	.3	0	%100
82	MP2A	Z	.52	.52	0	%100
83	MP3A	X	.3	.3	0	%100
84	MP3A	Z	.52	.52	0	%100
85	MP4A	X	.3	.3	0	%100
86	MP4A	Z	.52	.52	0	%100
87	MP1C	X	.363	.363	0	%100
88	MP1C	Z	.629	.629	0	%100
89	MP2C	X	.3	.3	0	%100
90	MP2C	Z	.52	.52	0	%100
91	MP3C	X	.3	.3	0	%100
92	MP3C	Z	.52	.52	0	%100
93	MP4C	X	.3	.3	0	%100
94	MP4C	Z	.52	.52	0	%100
95	MP1B	X	.3	.3	0	%100
96	MP1B	Z	.52	.52	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	MP2B	X	.3	.3	0	%100
98	MP2B	Z	.52	.52	0	%100
99	MP3B	X	.3	.3	0	%100
100	MP3B	Z	.52	.52	0	%100
101	MP4B	X	.3	.3	0	%100
102	MP4B	Z	.52	.52	0	%100
103	M106	X	.272	.272	0	%100
104	M106	Z	.472	.472	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	.272	.272	0	%100
108	M108	Z	.472	.472	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	.344	.344	0	%100
112	M122	Z	.596	.596	0	%100
113	M123	X	.344	.344	0	%100
114	M123	Z	.596	.596	0	%100
115	MP5B	X	.363	.363	0	%100
116	MP5B	Z	.629	.629	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.76	.76	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.76	.76	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.516	1.516	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.21	.21	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.21	.21	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.386	.386	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.407	.407	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.386	.386	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.407	.407	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	.674	.674	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	.19	.19	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	.19	.19	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.379	.379	0	%100
33	M31	X	0	0	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
34	M31	Z	.21	.21	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	.842	.842	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	1.137	1.137	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.386	.386	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	.407	.407	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	1.137	1.137	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	1.544	1.544	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	1.626	1.626	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.674	.674	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	.19	.19	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	.19	.19	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	.379	.379	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.842	.842	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.21	.21	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	1.137	1.137	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.544	1.544	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.626	1.626	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	1.137	1.137	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.386	.386	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.407	.407	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.863	.863	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.216	.216	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.216	.216	0	%100
79	MP1A	X	0	0	0	%100
80	MP1A	Z	.726	.726	0	%100
81	MP2A	X	0	0	0	%100
82	MP2A	Z	.6	.6	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.6	.6	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.6	.6	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.726	.726	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.6	.6	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.6	.6	0	%100
93	MP4C	X	0	0	0	%100
94	MP4C	Z	.6	.6	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	.6	.6	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.6	.6	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.6	.6	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.6	.6	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	.726	.726	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	.182	.182	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	.182	.182	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	.229	.229	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	.229	.229	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	.917	.917	0	%100
115	MP5B	X	0	0	0	%100
116	MP5B	Z	.726	.726	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.112	-.112	0	%100
2	M4	Z	.194	.194	0	%100
3	M10	X	-.285	-.285	0	%100
4	M10	Z	.494	.494	0	%100
5	M43	X	-.285	-.285	0	%100
6	M43	Z	.494	.494	0	%100
7	M46	X	-.568	-.568	0	%100
8	M46	Z	.985	.985	0	%100
9	M51B	X	-.316	-.316	0	%100
10	M51B	Z	.547	.547	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.189	-.189	0	%100
14	M76	Z	.328	.328	0	%100
15	M77	X	-.579	-.579	0	%100
16	M77	Z	1.003	1.003	0	%100
17	M80	X	-.61	-.61	0	%100
18	M80	Z	1.056	1.056	0	%100
19	M84	X	-.189	-.189	0	%100
20	M84	Z	.328	.328	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.112	-.112	0	%100
26	M25	Z	.194	.194	0	%100
27	M26	X	-.285	-.285	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
28	M26	Z	.494	.494	0	%100
29	M27	X	-.285	-.285	0	%100
30	M27	Z	.494	.494	0	%100
31	M28	X	-.568	-.568	0	%100
32	M28	Z	.985	.985	0	%100
33	M31	X	0	0	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	-.316	-.316	0	%100
36	M32	Z	.547	.547	0	%100
37	M36	X	-.189	-.189	0	%100
38	M36	Z	.328	.328	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	0	0	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.189	-.189	0	%100
44	M41	Z	.328	.328	0	%100
45	M42	X	-.579	-.579	0	%100
46	M42	Z	1.003	1.003	0	%100
47	M44	X	-.61	-.61	0	%100
48	M44	Z	1.056	1.056	0	%100
49	M49	X	-.449	-.449	0	%100
50	M49	Z	.778	.778	0	%100
51	M50A	X	0	0	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	0	0	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	0	0	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	-.316	-.316	0	%100
58	M55	Z	.547	.547	0	%100
59	M56	X	-.316	-.316	0	%100
60	M56	Z	.547	.547	0	%100
61	M60	X	-.758	-.758	0	%100
62	M60	Z	1.313	1.313	0	%100
63	M61	X	-.579	-.579	0	%100
64	M61	Z	1.003	1.003	0	%100
65	M63	X	-.61	-.61	0	%100
66	M63	Z	1.056	1.056	0	%100
67	M65	X	-.758	-.758	0	%100
68	M65	Z	1.313	1.313	0	%100
69	M66	X	-.579	-.579	0	%100
70	M66	Z	1.003	1.003	0	%100
71	M68	X	-.61	-.61	0	%100
72	M68	Z	1.056	1.056	0	%100
73	M73	X	-.324	-.324	0	%100
74	M73	Z	.56	.56	0	%100
75	M74	X	-.324	-.324	0	%100
76	M74	Z	.56	.56	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.363	-.363	0	%100
80	MP1A	Z	.629	.629	0	%100
81	MP2A	X	-.3	-.3	0	%100
82	MP2A	Z	.52	.52	0	%100
83	MP3A	X	-.3	-.3	0	%100
84	MP3A	Z	.52	.52	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
85	MP4A	X	-.3	-.3	0	%100
86	MP4A	Z	.52	.52	0	%100
87	MP1C	X	-.363	-.363	0	%100
88	MP1C	Z	.629	.629	0	%100
89	MP2C	X	-.3	-.3	0	%100
90	MP2C	Z	.52	.52	0	%100
91	MP3C	X	-.3	-.3	0	%100
92	MP3C	Z	.52	.52	0	%100
93	MP4C	X	-.3	-.3	0	%100
94	MP4C	Z	.52	.52	0	%100
95	MP1B	X	-.3	-.3	0	%100
96	MP1B	Z	.52	.52	0	%100
97	MP2B	X	-.3	-.3	0	%100
98	MP2B	Z	.52	.52	0	%100
99	MP3B	X	-.3	-.3	0	%100
100	MP3B	Z	.52	.52	0	%100
101	MP4B	X	-.3	-.3	0	%100
102	MP4B	Z	.52	.52	0	%100
103	M106	X	-.272	-.272	0	%100
104	M106	Z	.472	.472	0	%100
105	M107	X	-.272	-.272	0	%100
106	M107	Z	.472	.472	0	%100
107	M108	X	0	0	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	-.344	-.344	0	%100
110	M121	Z	.596	.596	0	%100
111	M122	X	0	0	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	-.344	-.344	0	%100
114	M123	Z	.596	.596	0	%100
115	MP5B	X	-.363	-.363	0	%100
116	MP5B	Z	.629	.629	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.583	-.583	0	%100
2	M4	Z	.337	.337	0	%100
3	M10	X	-.165	-.165	0	%100
4	M10	Z	.095	.095	0	%100
5	M43	X	-.165	-.165	0	%100
6	M43	Z	.095	.095	0	%100
7	M46	X	-.328	-.328	0	%100
8	M46	Z	.189	.189	0	%100
9	M51B	X	-.729	-.729	0	%100
10	M51B	Z	.421	.421	0	%100
11	M52B	X	-.182	-.182	0	%100
12	M52B	Z	.105	.105	0	%100
13	M76	X	-.985	-.985	0	%100
14	M76	Z	.568	.568	0	%100
15	M77	X	-1.337	-1.337	0	%100
16	M77	Z	.772	.772	0	%100
17	M80	X	-1.408	-1.408	0	%100
18	M80	Z	.813	.813	0	%100
19	M84	X	-.985	-.985	0	%100
20	M84	Z	.568	.568	0	%100
21	M85	X	-.334	-.334	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
22	M85	Z	.193	.193	0	%100
23	M91	X	-.352	-.352	0	%100
24	M91	Z	.203	.203	0	%100
25	M25	X	0	0	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.658	-.658	0	%100
28	M26	Z	.38	.38	0	%100
29	M27	X	-.658	-.658	0	%100
30	M27	Z	.38	.38	0	%100
31	M28	X	-1.313	-1.313	0	%100
32	M28	Z	.758	.758	0	%100
33	M31	X	-.182	-.182	0	%100
34	M31	Z	.105	.105	0	%100
35	M32	X	-.182	-.182	0	%100
36	M32	Z	.105	.105	0	%100
37	M36	X	0	0	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-.334	-.334	0	%100
40	M37	Z	.193	.193	0	%100
41	M39	X	-.352	-.352	0	%100
42	M39	Z	.203	.203	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.334	-.334	0	%100
46	M42	Z	.193	.193	0	%100
47	M44	X	-.352	-.352	0	%100
48	M44	Z	.203	.203	0	%100
49	M49	X	-.583	-.583	0	%100
50	M49	Z	.337	.337	0	%100
51	M50A	X	-.165	-.165	0	%100
52	M50A	Z	.095	.095	0	%100
53	M51C	X	-.165	-.165	0	%100
54	M51C	Z	.095	.095	0	%100
55	M52A	X	-.328	-.328	0	%100
56	M52A	Z	.189	.189	0	%100
57	M55	X	-.182	-.182	0	%100
58	M55	Z	.105	.105	0	%100
59	M56	X	-.729	-.729	0	%100
60	M56	Z	.421	.421	0	%100
61	M60	X	-.985	-.985	0	%100
62	M60	Z	.568	.568	0	%100
63	M61	X	-.334	-.334	0	%100
64	M61	Z	.193	.193	0	%100
65	M63	X	-.352	-.352	0	%100
66	M63	Z	.203	.203	0	%100
67	M65	X	-.985	-.985	0	%100
68	M65	Z	.568	.568	0	%100
69	M66	X	-1.337	-1.337	0	%100
70	M66	Z	.772	.772	0	%100
71	M68	X	-1.408	-1.408	0	%100
72	M68	Z	.813	.813	0	%100
73	M73	X	-.187	-.187	0	%100
74	M73	Z	.108	.108	0	%100
75	M74	X	-.747	-.747	0	%100
76	M74	Z	.431	.431	0	%100
77	M75	X	-.187	-.187	0	%100
78	M75	Z	.108	.108	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
79	MP1A	X	-.629	-.629	0	%100
80	MP1A	Z	.363	.363	0	%100
81	MP2A	X	-.52	-.52	0	%100
82	MP2A	Z	.3	.3	0	%100
83	MP3A	X	-.52	-.52	0	%100
84	MP3A	Z	.3	.3	0	%100
85	MP4A	X	-.52	-.52	0	%100
86	MP4A	Z	.3	.3	0	%100
87	MP1C	X	-.629	-.629	0	%100
88	MP1C	Z	.363	.363	0	%100
89	MP2C	X	-.52	-.52	0	%100
90	MP2C	Z	.3	.3	0	%100
91	MP3C	X	-.52	-.52	0	%100
92	MP3C	Z	.3	.3	0	%100
93	MP4C	X	-.52	-.52	0	%100
94	MP4C	Z	.3	.3	0	%100
95	MP1B	X	-.52	-.52	0	%100
96	MP1B	Z	.3	.3	0	%100
97	MP2B	X	-.52	-.52	0	%100
98	MP2B	Z	.3	.3	0	%100
99	MP3B	X	-.52	-.52	0	%100
100	MP3B	Z	.3	.3	0	%100
101	MP4B	X	-.52	-.52	0	%100
102	MP4B	Z	.3	.3	0	%100
103	M106	X	-.157	-.157	0	%100
104	M106	Z	.091	.091	0	%100
105	M107	X	-.629	-.629	0	%100
106	M107	Z	.363	.363	0	%100
107	M108	X	-.157	-.157	0	%100
108	M108	Z	.091	.091	0	%100
109	M121	X	-.794	-.794	0	%100
110	M121	Z	.459	.459	0	%100
111	M122	X	-.199	-.199	0	%100
112	M122	Z	.115	.115	0	%100
113	M123	X	-.199	-.199	0	%100
114	M123	Z	.115	.115	0	%100
115	MP5B	X	-.629	-.629	0	%100
116	MP5B	Z	.363	.363	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.898	-.898	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.631	-.631	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.631	-.631	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.516	-1.516	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.158	-1.158	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
16	M77	Z	0	0	0	%100
17	M80	X	-1.22	-1.22	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.516	-1.516	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.158	-1.158	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.22	-1.22	0	%100
24	M91	Z	0	0	0	%100
25	M25	X	-.225	-.225	0	%100
26	M25	Z	0	0	0	%100
27	M26	X	-.57	-.57	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	-.57	-.57	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	-1.137	-1.137	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.631	-.631	0	%100
34	M31	Z	0	0	0	%100
35	M32	X	0	0	0	%100
36	M32	Z	0	0	0	%100
37	M36	X	-.379	-.379	0	%100
38	M36	Z	0	0	0	%100
39	M37	X	-1.158	-1.158	0	%100
40	M37	Z	0	0	0	%100
41	M39	X	-1.22	-1.22	0	%100
42	M39	Z	0	0	0	%100
43	M41	X	-.379	-.379	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	0	0	0	%100
47	M44	X	0	0	0	%100
48	M44	Z	0	0	0	%100
49	M49	X	-.225	-.225	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.57	-.57	0	%100
52	M50A	Z	0	0	0	%100
53	M51C	X	-.57	-.57	0	%100
54	M51C	Z	0	0	0	%100
55	M52A	X	-1.137	-1.137	0	%100
56	M52A	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-.631	-.631	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.379	-.379	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-.379	-.379	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.158	-1.158	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.22	-1.22	0	%100
72	M68	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.647	-.647	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.647	-.647	0	%100
78	M75	Z	0	0	0	%100
79	MP1A	X	-.726	-.726	0	%100
80	MP1A	Z	0	0	0	%100
81	MP2A	X	-.6	-.6	0	%100
82	MP2A	Z	0	0	0	%100
83	MP3A	X	-.6	-.6	0	%100
84	MP3A	Z	0	0	0	%100
85	MP4A	X	-.6	-.6	0	%100
86	MP4A	Z	0	0	0	%100
87	MP1C	X	-.726	-.726	0	%100
88	MP1C	Z	0	0	0	%100
89	MP2C	X	-.6	-.6	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-.6	-.6	0	%100
92	MP3C	Z	0	0	0	%100
93	MP4C	X	-.6	-.6	0	%100
94	MP4C	Z	0	0	0	%100
95	MP1B	X	-.6	-.6	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-.6	-.6	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.6	-.6	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.6	-.6	0	%100
102	MP4B	Z	0	0	0	%100
103	M106	X	0	0	0	%100
104	M106	Z	0	0	0	%100
105	M107	X	-.545	-.545	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	-.545	-.545	0	%100
108	M108	Z	0	0	0	%100
109	M121	X	-.688	-.688	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-.688	-.688	0	%100
112	M122	Z	0	0	0	%100
113	M123	X	0	0	0	%100
114	M123	Z	0	0	0	%100
115	MP5B	X	-.726	-.726	0	%100
116	MP5B	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.583	-.583	0	%100
2	M4	Z	-.337	-.337	0	%100
3	M10	X	-.165	-.165	0	%100
4	M10	Z	-.095	-.095	0	%100
5	M43	X	-.165	-.165	0	%100
6	M43	Z	-.095	-.095	0	%100
7	M46	X	-.328	-.328	0	%100
8	M46	Z	-.189	-.189	0	%100
9	M51B	X	-.182	-.182	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
10	M51B	Z	-.105	-.105	0	%100
11	M52B	X	-.729	-.729	0	%100
12	M52B	Z	-.421	-.421	0	%100
13	M76	X	-.985	-.985	0	%100
14	M76	Z	-.568	-.568	0	%100
15	M77	X	-.334	-.334	0	%100
16	M77	Z	-.193	-.193	0	%100
17	M80	X	-.352	-.352	0	%100
18	M80	Z	-.203	-.203	0	%100
19	M84	X	-.985	-.985	0	%100
20	M84	Z	-.568	-.568	0	%100
21	M85	X	-1.337	-1.337	0	%100
22	M85	Z	-.772	-.772	0	%100
23	M91	X	-1.408	-1.408	0	%100
24	M91	Z	-.813	-.813	0	%100
25	M25	X	-.583	-.583	0	%100
26	M25	Z	-.337	-.337	0	%100
27	M26	X	-.165	-.165	0	%100
28	M26	Z	-.095	-.095	0	%100
29	M27	X	-.165	-.165	0	%100
30	M27	Z	-.095	-.095	0	%100
31	M28	X	-.328	-.328	0	%100
32	M28	Z	-.189	-.189	0	%100
33	M31	X	-.729	-.729	0	%100
34	M31	Z	-.421	-.421	0	%100
35	M32	X	-.182	-.182	0	%100
36	M32	Z	-.105	-.105	0	%100
37	M36	X	-.985	-.985	0	%100
38	M36	Z	-.568	-.568	0	%100
39	M37	X	-1.337	-1.337	0	%100
40	M37	Z	-.772	-.772	0	%100
41	M39	X	-1.408	-1.408	0	%100
42	M39	Z	-.813	-.813	0	%100
43	M41	X	-.985	-.985	0	%100
44	M41	Z	-.568	-.568	0	%100
45	M42	X	-.334	-.334	0	%100
46	M42	Z	-.193	-.193	0	%100
47	M44	X	-.352	-.352	0	%100
48	M44	Z	-.203	-.203	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50A	X	-.658	-.658	0	%100
52	M50A	Z	-.38	-.38	0	%100
53	M51C	X	-.658	-.658	0	%100
54	M51C	Z	-.38	-.38	0	%100
55	M52A	X	-1.313	-1.313	0	%100
56	M52A	Z	-.758	-.758	0	%100
57	M55	X	-.182	-.182	0	%100
58	M55	Z	-.105	-.105	0	%100
59	M56	X	-.182	-.182	0	%100
60	M56	Z	-.105	-.105	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.334	-.334	0	%100
64	M61	Z	-.193	-.193	0	%100
65	M63	X	-.352	-.352	0	%100
66	M63	Z	-.203	-.203	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.334	-.334	0	%100
70	M66	Z	-.193	-.193	0	%100
71	M68	X	-.352	-.352	0	%100
72	M68	Z	-.203	-.203	0	%100
73	M73	X	-.187	-.187	0	%100
74	M73	Z	-.108	-.108	0	%100
75	M74	X	-.187	-.187	0	%100
76	M74	Z	-.108	-.108	0	%100
77	M75	X	-.747	-.747	0	%100
78	M75	Z	-.431	-.431	0	%100
79	MP1A	X	-.629	-.629	0	%100
80	MP1A	Z	-.363	-.363	0	%100
81	MP2A	X	-.52	-.52	0	%100
82	MP2A	Z	-.3	-.3	0	%100
83	MP3A	X	-.52	-.52	0	%100
84	MP3A	Z	-.3	-.3	0	%100
85	MP4A	X	-.52	-.52	0	%100
86	MP4A	Z	-.3	-.3	0	%100
87	MP1C	X	-.629	-.629	0	%100
88	MP1C	Z	-.363	-.363	0	%100
89	MP2C	X	-.52	-.52	0	%100
90	MP2C	Z	-.3	-.3	0	%100
91	MP3C	X	-.52	-.52	0	%100
92	MP3C	Z	-.3	-.3	0	%100
93	MP4C	X	-.52	-.52	0	%100
94	MP4C	Z	-.3	-.3	0	%100
95	MP1B	X	-.52	-.52	0	%100
96	MP1B	Z	-.3	-.3	0	%100
97	MP2B	X	-.52	-.52	0	%100
98	MP2B	Z	-.3	-.3	0	%100
99	MP3B	X	-.52	-.52	0	%100
100	MP3B	Z	-.3	-.3	0	%100
101	MP4B	X	-.52	-.52	0	%100
102	MP4B	Z	-.3	-.3	0	%100
103	M106	X	-.157	-.157	0	%100
104	M106	Z	-.091	-.091	0	%100
105	M107	X	-.157	-.157	0	%100
106	M107	Z	-.091	-.091	0	%100
107	M108	X	-.629	-.629	0	%100
108	M108	Z	-.363	-.363	0	%100
109	M121	X	-.199	-.199	0	%100
110	M121	Z	-.115	-.115	0	%100
111	M122	X	-.794	-.794	0	%100
112	M122	Z	-.459	-.459	0	%100
113	M123	X	-.199	-.199	0	%100
114	M123	Z	-.115	-.115	0	%100
115	MP5B	X	-.629	-.629	0	%100
116	MP5B	Z	-.363	-.363	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M4	X	-.112	-.112	0	%100
2	M4	Z	-.194	-.194	0	%100
3	M10	X	-.285	-.285	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
4	M10	Z	-.494	-.494	0	%100
5	M43	X	-.285	-.285	0	%100
6	M43	Z	-.494	-.494	0	%100
7	M46	X	-.568	-.568	0	%100
8	M46	Z	-.985	-.985	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.316	-.316	0	%100
12	M52B	Z	-.547	-.547	0	%100
13	M76	X	-.189	-.189	0	%100
14	M76	Z	-.328	-.328	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-.189	-.189	0	%100
20	M84	Z	-.328	-.328	0	%100
21	M85	X	-.579	-.579	0	%100
22	M85	Z	-1.003	-1.003	0	%100
23	M91	X	-.61	-.61	0	%100
24	M91	Z	-1.056	-1.056	0	%100
25	M25	X	-.449	-.449	0	%100
26	M25	Z	-.778	-.778	0	%100
27	M26	X	0	0	0	%100
28	M26	Z	0	0	0	%100
29	M27	X	0	0	0	%100
30	M27	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M31	X	-.316	-.316	0	%100
34	M31	Z	-.547	-.547	0	%100
35	M32	X	-.316	-.316	0	%100
36	M32	Z	-.547	-.547	0	%100
37	M36	X	-.758	-.758	0	%100
38	M36	Z	-1.313	-1.313	0	%100
39	M37	X	-.579	-.579	0	%100
40	M37	Z	-1.003	-1.003	0	%100
41	M39	X	-.61	-.61	0	%100
42	M39	Z	-1.056	-1.056	0	%100
43	M41	X	-.758	-.758	0	%100
44	M41	Z	-1.313	-1.313	0	%100
45	M42	X	-.579	-.579	0	%100
46	M42	Z	-1.003	-1.003	0	%100
47	M44	X	-.61	-.61	0	%100
48	M44	Z	-1.056	-1.056	0	%100
49	M49	X	-.112	-.112	0	%100
50	M49	Z	-.194	-.194	0	%100
51	M50A	X	-.285	-.285	0	%100
52	M50A	Z	-.494	-.494	0	%100
53	M51C	X	-.285	-.285	0	%100
54	M51C	Z	-.494	-.494	0	%100
55	M52A	X	-.568	-.568	0	%100
56	M52A	Z	-.985	-.985	0	%100
57	M55	X	-.316	-.316	0	%100
58	M55	Z	-.547	-.547	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
61	M60	X	-.189	-.189	0	%100
62	M60	Z	-.328	-.328	0	%100
63	M61	X	-.579	-.579	0	%100
64	M61	Z	-1.003	-1.003	0	%100
65	M63	X	-.61	-.61	0	%100
66	M63	Z	-1.056	-1.056	0	%100
67	M65	X	-.189	-.189	0	%100
68	M65	Z	-.328	-.328	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-.324	-.324	0	%100
74	M73	Z	-.56	-.56	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.324	-.324	0	%100
78	M75	Z	-.56	-.56	0	%100
79	MP1A	X	-.363	-.363	0	%100
80	MP1A	Z	-.629	-.629	0	%100
81	MP2A	X	-.3	-.3	0	%100
82	MP2A	Z	-.52	-.52	0	%100
83	MP3A	X	-.3	-.3	0	%100
84	MP3A	Z	-.52	-.52	0	%100
85	MP4A	X	-.3	-.3	0	%100
86	MP4A	Z	-.52	-.52	0	%100
87	MP1C	X	-.363	-.363	0	%100
88	MP1C	Z	-.629	-.629	0	%100
89	MP2C	X	-.3	-.3	0	%100
90	MP2C	Z	-.52	-.52	0	%100
91	MP3C	X	-.3	-.3	0	%100
92	MP3C	Z	-.52	-.52	0	%100
93	MP4C	X	-.3	-.3	0	%100
94	MP4C	Z	-.52	-.52	0	%100
95	MP1B	X	-.3	-.3	0	%100
96	MP1B	Z	-.52	-.52	0	%100
97	MP2B	X	-.3	-.3	0	%100
98	MP2B	Z	-.52	-.52	0	%100
99	MP3B	X	-.3	-.3	0	%100
100	MP3B	Z	-.52	-.52	0	%100
101	MP4B	X	-.3	-.3	0	%100
102	MP4B	Z	-.52	-.52	0	%100
103	M106	X	-.272	-.272	0	%100
104	M106	Z	-.472	-.472	0	%100
105	M107	X	0	0	0	%100
106	M107	Z	0	0	0	%100
107	M108	X	-.272	-.272	0	%100
108	M108	Z	-.472	-.472	0	%100
109	M121	X	0	0	0	%100
110	M121	Z	0	0	0	%100
111	M122	X	-.344	-.344	0	%100
112	M122	Z	-.596	-.596	0	%100
113	M123	X	-.344	-.344	0	%100
114	M123	Z	-.596	-.596	0	%100
115	MP5B	X	-.363	-.363	0	%100
116	MP5B	Z	-.629	-.629	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M51B	Y	-1.601	-4.064	0	.832
2	M51B	Y	-4.064	-6.635	.832	1.665
3	M51B	Y	-6.635	-7.874	1.665	2.497
4	M51B	Y	-7.874	-6.292	2.497	3.329
5	M51B	Y	-6.292	-3.33	3.329	4.162
6	M52B	Y	-3.336	-6.325	0	.832
7	M52B	Y	-6.325	-7.938	.832	1.665
8	M52B	Y	-7.938	-6.771	1.665	2.497
9	M52B	Y	-6.771	-4.259	2.497	3.329
10	M52B	Y	-4.259	-1.808	3.329	4.162
11	M31	Y	-1.601	-4.064	0	.832
12	M31	Y	-4.064	-6.635	.832	1.665
13	M31	Y	-6.635	-7.874	1.665	2.497
14	M31	Y	-7.874	-6.292	2.497	3.329
15	M31	Y	-6.292	-3.33	3.329	4.162
16	M32	Y	-3.336	-6.325	0	.832
17	M32	Y	-6.325	-7.938	.832	1.665
18	M32	Y	-7.938	-6.771	1.665	2.497
19	M32	Y	-6.771	-4.259	2.497	3.329
20	M32	Y	-4.259	-1.808	3.329	4.162
21	M55	Y	-1.812	-4.256	0	.832
22	M55	Y	-4.256	-6.773	.832	1.665
23	M55	Y	-6.773	-7.943	1.665	2.497
24	M55	Y	-7.943	-6.32	2.497	3.329
25	M55	Y	-6.32	-3.329	3.329	4.162
26	M56	Y	-3.33	-6.293	0	.832
27	M56	Y	-6.293	-7.874	.832	1.665
28	M56	Y	-7.874	-6.636	1.665	2.497
29	M56	Y	-6.636	-4.066	2.497	3.329
30	M56	Y	-4.066	-1.597	3.329	4.162

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M51B	Y	-3.362	-8.533	0	.832
2	M51B	Y	-8.533	-13.934	.832	1.665
3	M51B	Y	-13.934	-16.536	1.665	2.497
4	M51B	Y	-16.536	-13.213	2.497	3.329
5	M51B	Y	-13.213	-6.992	3.329	4.162
6	M52B	Y	-7.005	-13.282	0	.832
7	M52B	Y	-13.282	-16.67	.832	1.665
8	M52B	Y	-16.67	-14.218	1.665	2.497
9	M52B	Y	-14.218	-8.944	2.497	3.329
10	M52B	Y	-8.944	-3.798	3.329	4.162
11	M31	Y	-3.362	-8.533	0	.832
12	M31	Y	-8.533	-13.934	.832	1.665
13	M31	Y	-13.934	-16.536	1.665	2.497
14	M31	Y	-16.536	-13.213	2.497	3.329
15	M31	Y	-13.213	-6.992	3.329	4.162
16	M32	Y	-7.005	-13.282	0	.832
17	M32	Y	-13.282	-16.67	.832	1.665
18	M32	Y	-16.67	-14.218	1.665	2.497
19	M32	Y	-14.218	-8.944	2.497	3.329
20	M32	Y	-8.944	-3.798	3.329	4.162
21	M55	Y	-3.805	-8.937	0	.832
22	M55	Y	-8.937	-14.224	.832	1.665
23	M55	Y	-14.224	-16.68	1.665	2.497

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
24	M55	Y	-16.68	-13.273	2.497	3.329
25	M55	Y	-13.273	-6.99	3.329	4.162
26	M56	Y	-6.993	-13.215	0	.832
27	M56	Y	-13.215	-16.535	.832	1.665
28	M56	Y	-16.535	-13.936	1.665	2.497
29	M56	Y	-13.936	-8.538	2.497	3.329
30	M56	Y	-8.538	-3.355	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.005
2	N55	N57	N33	N32	Y	Two Way	-.005
3	N84	N86	N62	N61	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.011
2	N55	N57	N33	N32	Y	Two Way	-.011
3	N84	N86	N62	N61	Y	Two Way	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1444.32	10	3049.83	13	2955.524	1	6.915	13	2.891	4	.112	5
2		min	-1442.747	4	603.269	7	-3124.777	7	.437	7	-2.861	10	-.09	11
3	N30A	max	2065.047	9	1716.907	21	1465.166	3	.409	3	.942	4	.305	3
4		min	-2204.681	3	176.4	3	-1389.4	9	-1.57	9	-.922	10	-2.781	9
5	N59	max	2368.43	11	2321.767	17	2015.806	12	-.445	11	1.475	8	4.259	17
6		min	-2230.694	5	328.258	11	-1919.957	6	-3.12	29	-1.484	2	-.118	11
7	Totals:	max	5472.505	10	6642.807	24	5920.27	1						
8		min	-5472.515	4	2345.558	69	-5920.274	7						

Envelope AISC 15th(360-16): LRFD Steel Code Checks

	Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[...	Dir	LC	phi*P...	phi*Pnt [...	phi*Mn ...	phi*Mn z-...	Cb	Eqn
1	MP4C	PIPE_2.0	.468	3.938	1	.105	1.021		3	17855...	32130	1.872	1.872	1.8...	H1...
2	M4	HSS4X4X4	.440	0	23	.082	0	y	14	12465...	139518	16.181	16.181	2.8...	H1...
3	M65	PL3/8x6	.424	0	5	.318	0	y	24	70677...	72900	.57	9.113	1.2...	H1...
4	MP3C	PIPE_2.0	.411	3.938	12	.082	3.938		12	17855...	32130	1.872	1.872	1.9...	H1...
5	M123	L3X3X4	.405	2.143	4	.047	0	z	4	42142...	46656	1.688	3.756	2.2...	H2...
6	M36	PL3/8x6	.365	0	4	.155	0	y	13	70677...	72900	.57	9.113	2.0...	H1...
7	MP2C	PIPE_2.0	.347	3.938	5	.094	3.938		4	17855...	32130	1.872	1.872	1.9...	H1...
8	MP3B	PIPE_2.0	.345	3.938	2	.063	3.938		3	17855...	32130	1.872	1.872	1.9...	H1...
9	M122	L3X3X4	.343	0	8	.064	2.143	z	1	42142...	46656	1.688	3.756	2.1...	H2...
10	MP4A	PIPE_2.0	.340	3.938	5	.096	1.021		7	17855...	32130	1.872	1.872	1.8...	H1...
11	M49	HSS4X4X4	.339	0	5	.108	0	y	26	12465...	139518	16.181	16.181	2.3...	H1...
12	M77	PL3/8x6	.339	.167	8	.424	0	y	14	71601...	72900	.57	9.113	1.4...	H1...
13	M85	PL3/8x6	.338	.167	6	.421	0	y	24	71601...	72900	.57	9.113	1.22	H1...
14	M61	PL3/8x6	.333	.167	12	.315	0	y	18	71601...	72900	.57	9.113	1.8...	H1...
15	MP2B	PIPE_2.0	.330	3.938	1	.080	2.406		11	17855...	32130	1.872	1.872	1.9...	H1...
16	M66	PL3/8x6	.328	.167	10	.301	0	y	17	71601...	72900	.57	9.113	1.0...	H1...
17	MP3A	PIPE_2.0	.299	3.938	4	.049	1.969		11	17855...	32130	1.872	1.872	1.83	H1...
18	MP4B	PIPE_2.0	.295	3.938	9	.078	3.938		10	17855...	32130	1.872	1.872	1.9	H1...
19	M37	PL3/8x6	.295	.167	4	.264	0	y	22	71601...	72900	.57	9.113	1.2...	H1...

Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[...	Dir	LC	phi*P...	phi*Pnt [...	phi*Mn ...	phi*Mn z-...	Cb	Eqn
20	M76	PL3/8x6	.282	0	1	.171	0	y	20	70677...	72900	.57	9.113	1.22	H1...
21	M52A	PL1/2x6	.280	.516	5	.092	.516	y	28	66009...	97200	1.012	12.15	1.4...	H1...
22	M42	PL3/8x6	.279	.167	2	.237	0	y	45	71601...	72900	.57	9.113	1.0...	H1...
23	M84	PL3/8x6	.275	0	1	.199	0	y	18	70677...	72900	.57	9.113	1.2...	H1...
24	M121	L3X3X4	.255	2.143	6	.046	1.116	y	6	42142...	46656	1.688	3.756	2.1...	H2...
25	MP1B	PIPE_2.0	.254	3.938	1	.075	3.938		12	17855...	32130	1.872	1.872	2.03	H1...
26	MP2A	PIPE_2.0	.253	3.938	9	.081	3.938		7	17855...	32130	1.872	1.872	1.84	H1...
27	MP1C	PIPE_2.5	.248	3.938	5	.086	3.938		4	33961...	50715	3.596	3.596	2.0...	H1...
28	M41	PL3/8x6	.243	0	8	.234	0	y	16	70677...	72900	.57	9.113	1.2...	H1...
29	M25	HSS4X4X4	.243	0	9	.069	0	y	46	12465...	139518	16.181	16.181	2.4...	H1...
30	M28	PL1/2x6	.241	.516	4	.090	.516	y	49	66009...	97200	1.012	12.15	1.3...	H1...
31	M46	PL1/2x6	.235	.516	1	.162	.516	y	11	66009...	97200	1.012	12.15	1.2...	H1...
32	M107	PIPE_2.5	.213	12.3...	5	.074	11.7...		8	12876...	50715	3.596	3.596	1.9...	H1...
33	MP5B	PIPE_2.5	.208	3.938	9	.070	4.01		4	33961...	50715	3.596	3.596	1.9...	H1...
34	M55	L2x2x3	.206	4.162	6	.009	4.162	y	20	9823....	23392.8	.558	1.096	1.2...	H2...
35	M43	HSS4X4X4	.204	0	24	.067	0	y	13	13626...	139518	16.181	16.181	1.6...	H1...
36	M52B	L2x2x3	.203	4.162	12	.012	4.162	y	21	9823....	23392.8	.558	1.096	1.2...	H2...
37	M10	HSS4X4X4	.202	2.375	14	.070	2.375	y	13	13626...	139518	16.181	16.181	1.6...	H1...
38	M51B	L2x2x3	.195	4.162	2	.012	0	y	17	9823....	23392.8	.558	1.099	1.2...	H2...
39	MP1A	PIPE_2.5	.188	4.01	1	.070	4.01		3	33961...	50715	3.596	3.596	2.1...	H1...
40	M108	PIPE_2.5	.186	.831	9	.055	1.523		7	12876...	50715	3.596	3.596	2.8...	H1...
41	M60	PL3/8x6	.180	0	6	.146	0	y	46	70677...	72900	.57	9.113	1.2...	H1...
42	M56	L2x2x3	.170	0	4	.013	4.162	y	13	9823....	23392.8	.558	1.099	1.2...	H2...
43	M74	PIPE_3.0	.168	4.431	16	.102	10.6...		3	25308...	65205	5.749	5.749	3.0...	H1...
44	M32	L2x2x3	.165	0	8	.011	0	y	18	9823....	23392.8	.558	1.096	1.2...	H2...
45	M75	PIPE_3.0	.163	4.431	24	.080	2.492		12	25308...	65205	5.749	5.749	2.7...	H1...
46	M106	PIPE_2.5	.162	2.631	5	.059	11.7...		12	12876...	50715	3.596	3.596	2.1...	H1...
47	M51C	HSS4X4X4	.161	0	17	.047	2.152	z	5	13626...	139518	16.181	16.181	1.6...	H1...
48	M31	L2x2x3	.157	4.162	10	.012	0	y	13	9823....	23392.8	.558	1.099	1.2...	H2...
49	M50A	HSS4X4X4	.154	2.375	18	.056	.223	z	6	13626...	139518	16.181	16.181	1.6...	H1...
50	M73	PIPE_3.0	.143	9	5	.088	10.6...		7	25308...	65205	5.749	5.749	1.9...	H1...
51	M26	HSS4X4X4	.134	2.375	10	.043	.223	z	10	13626...	139518	16.181	16.181	1.6...	H1...
52	M27	HSS4X4X4	.121	0	8	.042	2.152	z	8	13626...	139518	16.181	16.181	1.5...	H1...
53	M68	PL1/2x6	.086	.112	5	.077	.112	y	1	96757...	97200	1.012	12.15	1.0...	H1...
54	M39	PL1/2x6	.072	.112	3	.075	.112	y	1	96757...	97200	1.012	12.15	1.6...	H1...
55	M80	PL1/2x6	.070	.112	1	.103	0	y	11	96757...	97200	1.012	12.15	1.1...	H1...
56	M91	PL1/2x6	.069	0	12	.073	0	y	4	96757...	97200	1.012	12.15	1.0...	H1...
57	M44	PL1/2x6	.061	.112	9	.065	0	y	49	96757...	97200	1.012	12.15	1.0...	H1...
58	M63	PL1/2x6	.055	0	6	.150	0	y	27	96757...	97200	1.012	12.15	1.0...	H1...

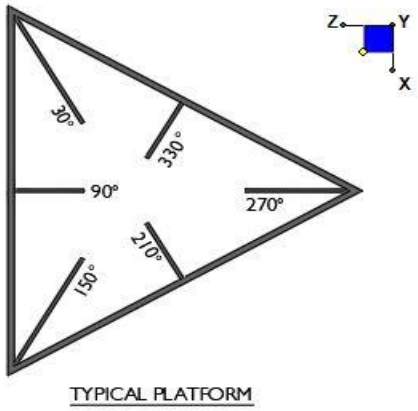
Client:	Verizon Wireless	Date:	11/23/2021
Site Name:	KILLINGLY CENTER CT		
Project No.	21777120A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

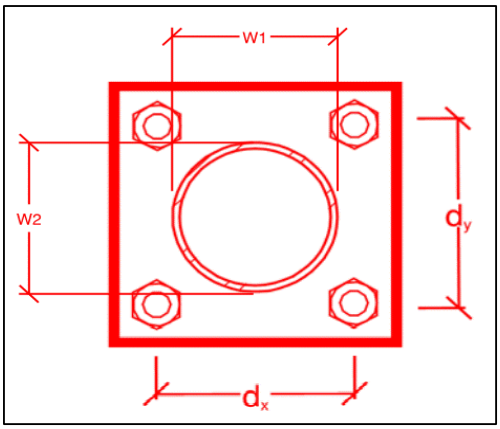
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N30A	30
N3	270
N59	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	18.2
Required Shear Strength (kips):	4.6
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**21.9%***
Shear Capacity Overall:	**9.3%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.95
Plate Bending Capacity:	**50.1%**
Weld Capacity:	**70.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	12.4
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	3.5
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

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Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: **https://pmi.vzwsmart.com**

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.
    - Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
    - Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Contractor shall install new safety climb wire clip onto existing mount collar threaded rods such that the existing wire rope does not make contact with existing mount members.

Response:

Contractor certifies that the climbing facility / safety climb was not damaged or obstructed prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

Comments:

Structure: 468784-VZW - KILLINGLY CENTER CT

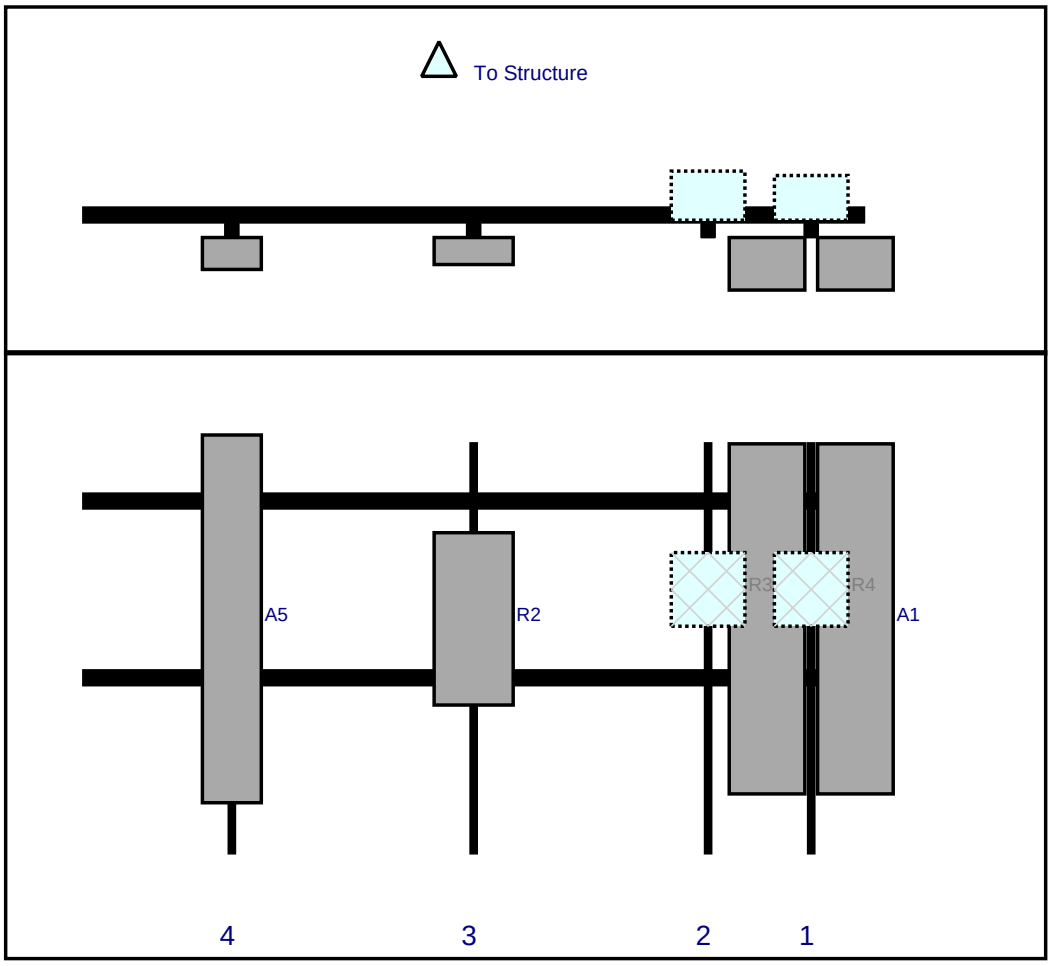
Sector: **A** 11/23/2021

Structure Type: Monopole 10118622

Mount Elev: 106.50 Page: 1

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO660-03	71.3	15.4	148.5	1	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	148.5	1	b	Front	36	-9	Added	
R4	RF4440d-13A	15	15	148.5	1	a	Behind	30	0	Added	
R3	RF4439d-25A	15	15	127.5	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	79.75	3	a	Front	36	0	Added	
A5	HBXX-6517DS-VTM	74.9	12	30.5	4	a	Front	36	0	Retained	03/22/2021

Structure: 468784-VZW - KILLINGLY CENTER CT

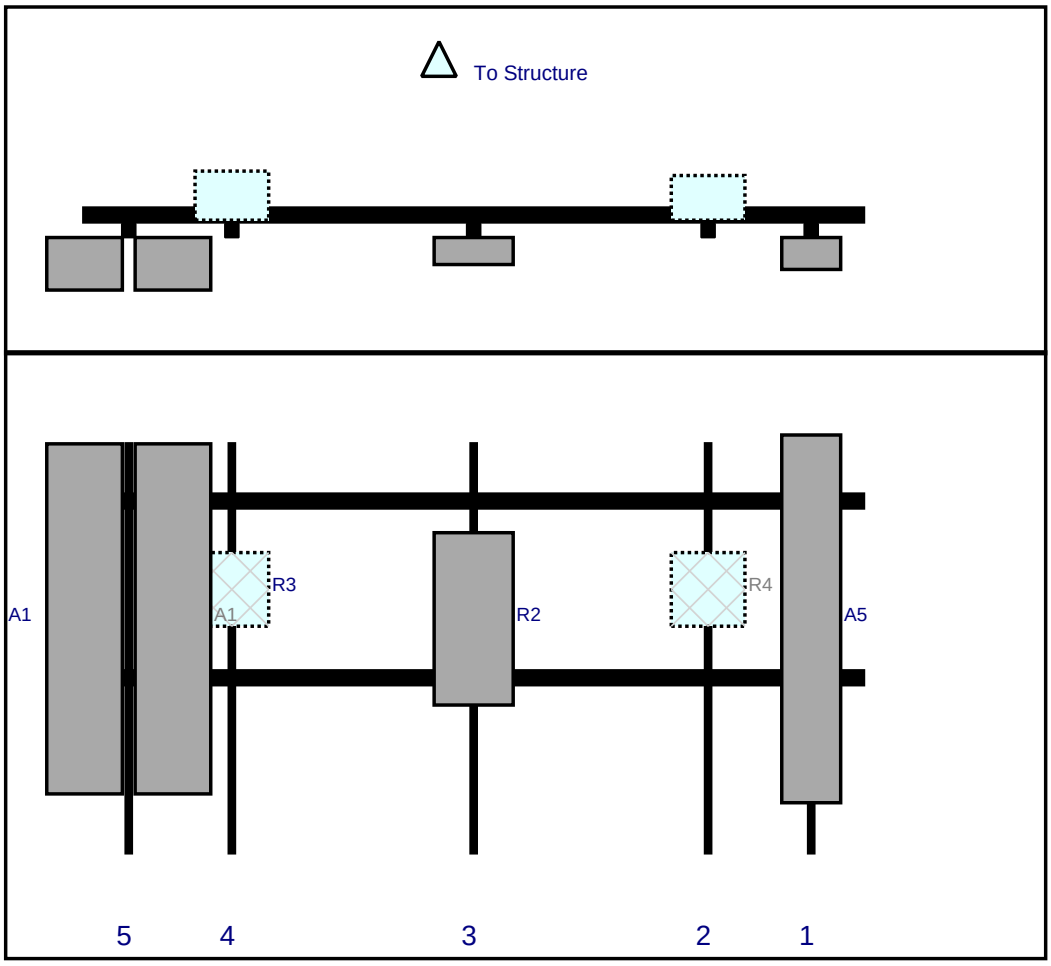
Sector: **B** 11/23/2021

Structure Type: Monopole 10118622

Mount Elev: 106.50

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	HBXX-6517DS-VTM	74.9	12	148.5	1	a	Front	36	0	Retained	03/22/2021
R4	RF4440d-13A	15	15	127.5	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	79.75	3	a	Front	36	0	Added	
R3	RF4439d-25A	15	15	30.5	4	a	Behind	30	0	Added	
A1	MX06FRO660-03	71.3	15.4	9.5	5	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	9.5	5	b	Front	36	-9	Added	

Structure: 468784-VZW - KILLINGLY CENTER CT

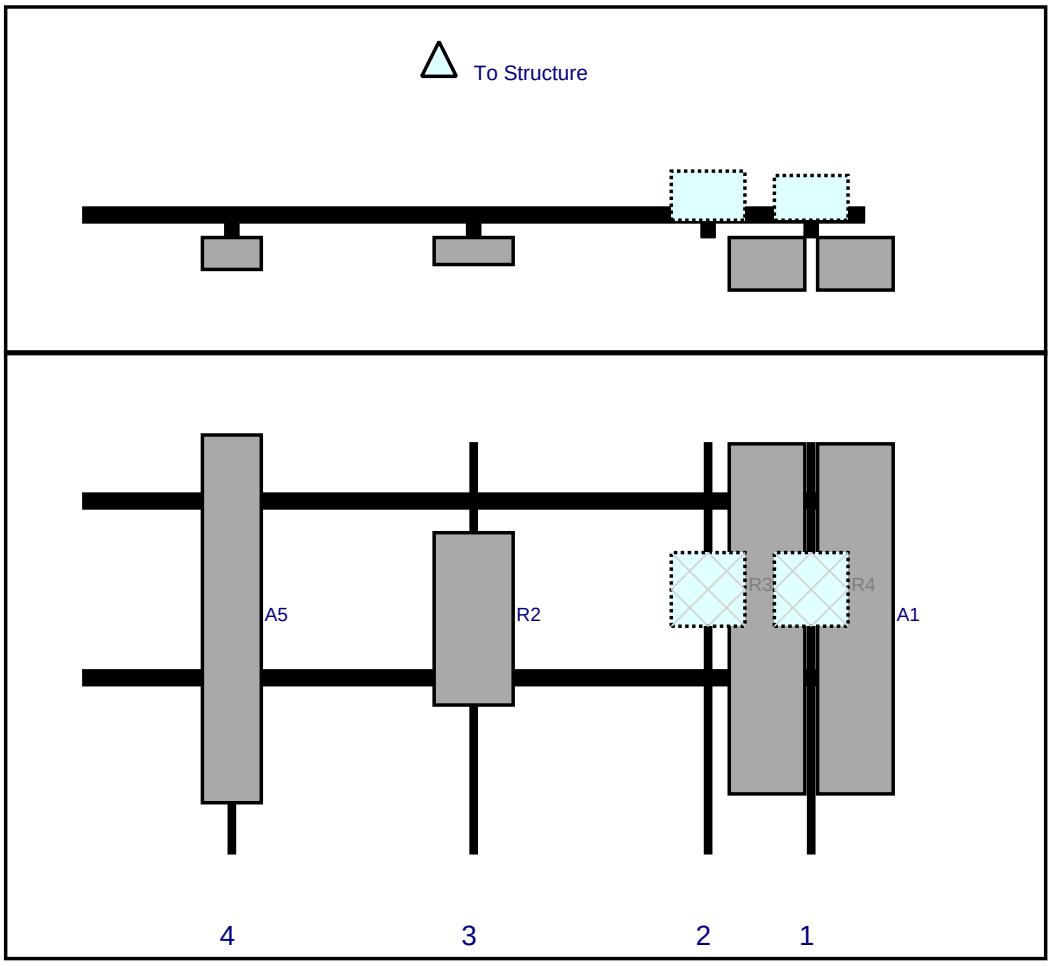
Sector: **C** 11/23/2021

Structure Type: Monopole 10118622

Mount Elev: 106.50 Page: 3

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO660-03	71.3	15.4	148.5	1	a	Front	36	9	Added	
A1	MX06FRO660-03	71.3	15.4	148.5	1	b	Front	36	-9	Added	
R4	RF4440d-13A	15	15	148.5	1	a	Behind	30	0	Added	
R3	RF4439d-25A	15	15	127.5	2	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	79.75	3	a	Front	36	0	Added	
A5	HBXX-6517DS-VTM	74.9	12	30.5	4	a	Front	36	0	Retained	03/22/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	468784-VZW / KILLINGLY CENTER CT
	Site Name:	KILLINGLY CENTER CT
	Carrier Name:	Verizon Wireless
	Address:	79 Putnam Pike Dayville, Connecticut 06241 Windham County
	Latitude:	41.847403°
	Longitude:	-71.878961°
Structure Information	Tower Type:	180-Ft Monopole
	Mount Type:	13.29-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Eric Anderson, PE
Technical Specialist

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 13.29' PLATFORM

TOWER OWNER: CROWN CASTLE
TOWER OWNER SITE NUMBER: 468784

CARRIER SITE NAME: KILLINGLY CENTER CT
CARRIER SITE NUMBER: 468784
FUZE ID: 16272123

79 PUTNAM PIKE
DAYVILLE, CONNECTICUT 06241
WINDHAM COUNTY

LATITUDE: 41.847403° N
LONGITUDE: 71.878961° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 121 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 268.77'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_s= .184
LONG TERM MCER GROUND MOTION, S_1= .055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 101 17402
VZW LOCATION CODE (PSLC): 468784
ANALYSIS DATE: 11/29/21

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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SCALE: AS SHOWN
JOB NUMBER: 21777120A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	DH
0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	DX

STATE OF CONNECTICUT
ERIC T. ANDERSON
No. 32224
LICENSED PROFESSIONAL ENGINEER
11/29/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
KILLINGLY CENTER CT
468784
79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
13	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	26" LONG, L3x3x1/4	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	11	33
3	-	-	160" LONG, P2 1/2 STD	GALVANIZED	78	234
3	-	-	84" LONG, P2 1/2 STD	GALVANIZED	41	123
3	SITE PRO 1	SP219-H	CROSSOVER PLATES	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.	29	87
					TOTAL:	735

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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STATE OF CONNECTICUT ★ ERIC T. ANDERSON No. 32224 LICENSED PROFESSIONAL ENGINEER ★
11/29/2021

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SITE NAME:
KILLINGLY CENTER CT
468784
79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES

2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.

4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.

8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.

10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.

11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO

      PETER.ALBANO@COLLIERSENGINEERING.COM

   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

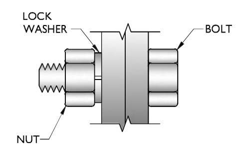
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

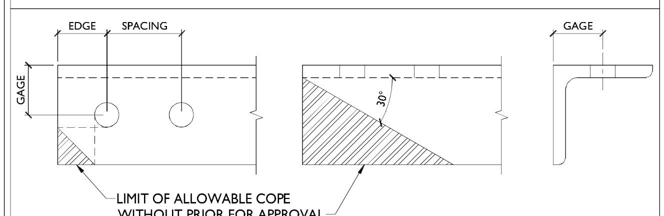


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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SCALE:	JOB NUMBER:
AS SHOWN	21777120A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	EH
0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	EK

STATE OF CONNECTICUT ★ ERIC T. ANDERSON No. 32224 LICENSED PROFESSIONAL ENGINEER ★
11/29/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

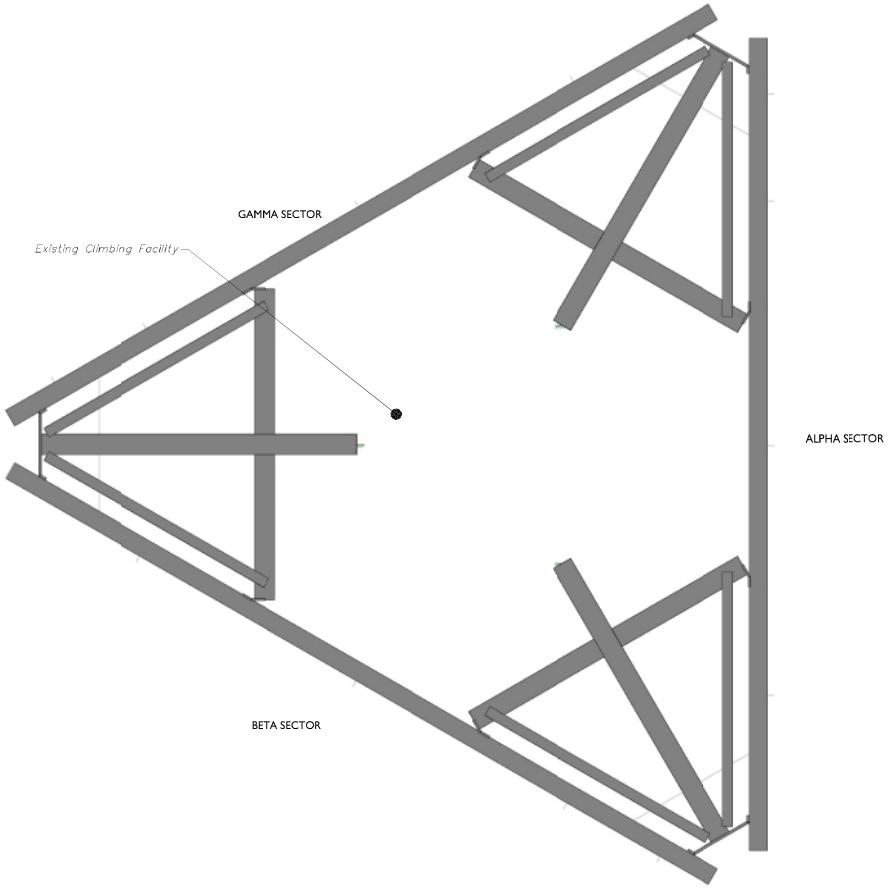
KILLINGLY CENTER CT
468784
79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP LLC ON 3/22/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (106'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

CLIMBING FACILITY PHOTO

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ERIC T. ANDERSON
No. 32224
LICENSED PROFESSIONAL ENGINEER
11/29/2021

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468784

79 PUTNAM PIKE
DAYVILLE, CONNECTICUT
06241
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

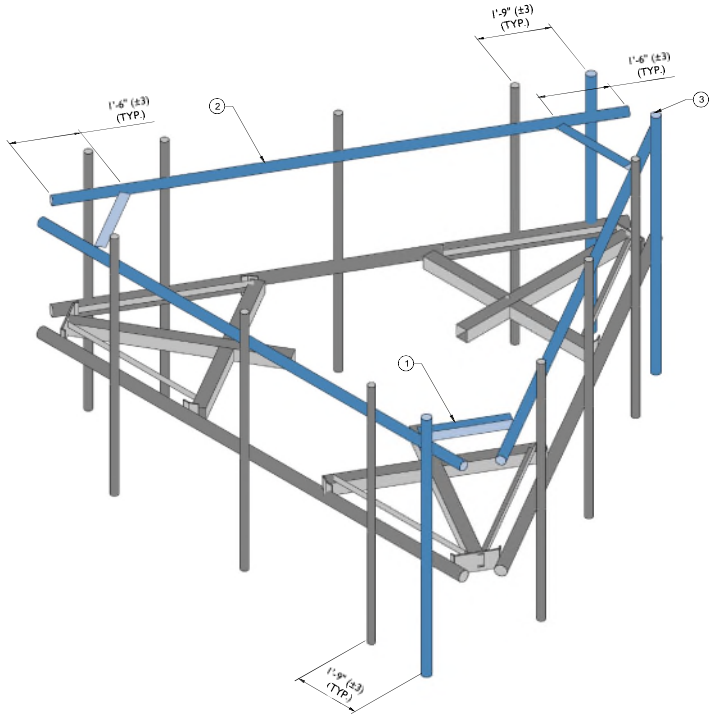
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	106'-6"	3	26" LONG, L3x3x1/4 BRACING	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONTRACTOR SHALL CONNECT NEW ANGLES TO NEW SUPPORT RAIL USING NEW CORNER BRACKETS (VZWSMART-PLK3). CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		3	160" LONG, P2 1/2 STD FACE HORIZONTAL	GALVANIZED, RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT TO ALL EXISTING AND PROPOSED VERTICAL MOUNT PIPES USING NEW CROSSOVER PLATES (PART #: VZWSMART-MSK1).
3		3	84" LONG, P2 1/2 STD MOUNT PIPE	GALVANIZED, CONNECT TO EXISTING LOWER FACE HORIZONTAL USING NEW CROSSOVER PLATES (SITE PRO 1 PART #: SP219-H OR EOR APPROVED EQUIVALENT). TO REPLACE EXISTING PIPE IN POSITION 1 OF ALPHA AND GAMMA. TO BE INSTALLED IN POSITION 5 OF BETA SECTOR.
4				
5				
6				
7				
8				
9				
10				

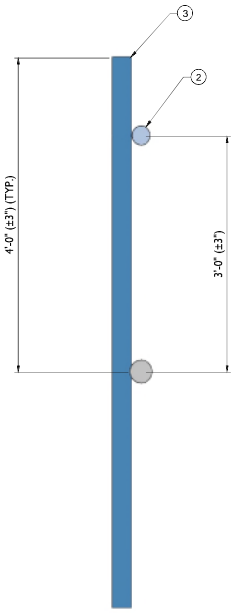
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

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11/29/2021

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Fax: 856.722.1120

SHEET TITLE :

MODIFICATION DETAILS

SHEET NUMBER :

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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AS SHOWN	21777120A

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-	-	-	-	-
1	11/29/2021	ISSUED FOR CONSTRUCTION	CDH	DH
0	8/16/2021	ISSUED FOR CONSTRUCTION	SA	DX

STATE OF CONNECTICUT ★ ERIC T. ANDERSON No. 32224 LICENSED ★ PROFESSIONAL ENGINEER
11/29/2021

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WINDHAM COUNTY

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2000 Midlantic Drive
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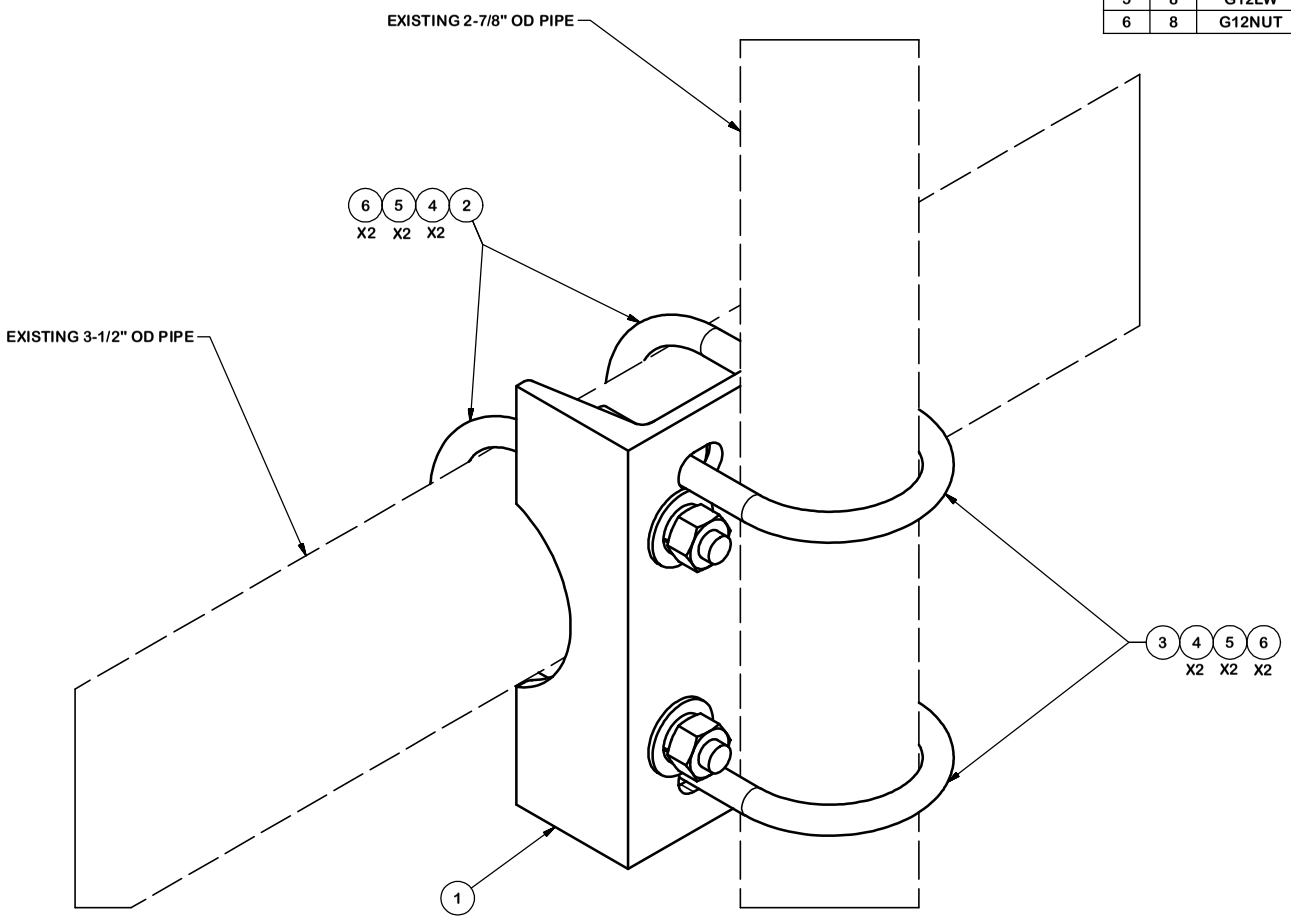
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
SS-2

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.66	1.31
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.66	1.31
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.61



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

REVISION HISTORY				
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REDRAWN IN INV, UPDATED VIEWS & TABLE		KC8	8-21-2012

DESCRIPTION
2-7/8" TO 3-1/2"
PIPE MOUNT ASSEMBLY

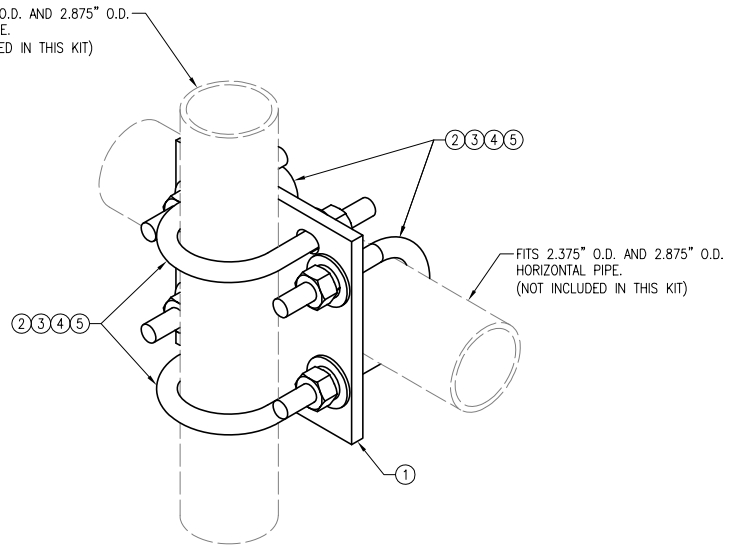
SITE PRO 1 — A valmont COMPANY

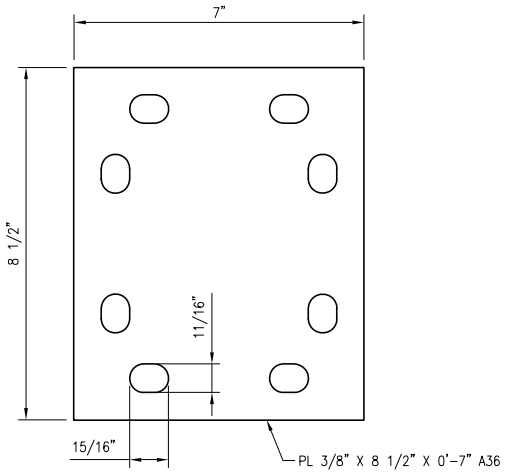
Engineering Support Team: 1-888-753-7446

Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
4518	BMC 6/3/2009		SP219-H

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	CEK 2/18/2013	SP219-H





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VzW SMART Tool© Vendor

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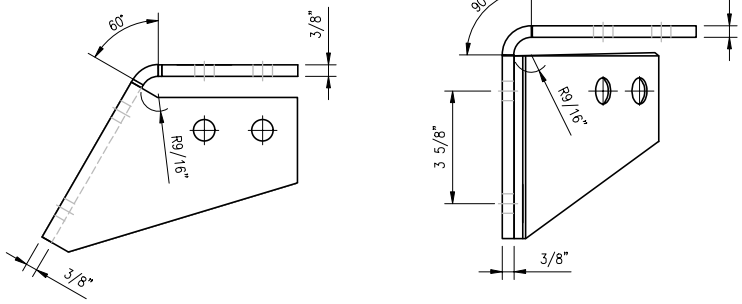
DRAWN BY: H.R	CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

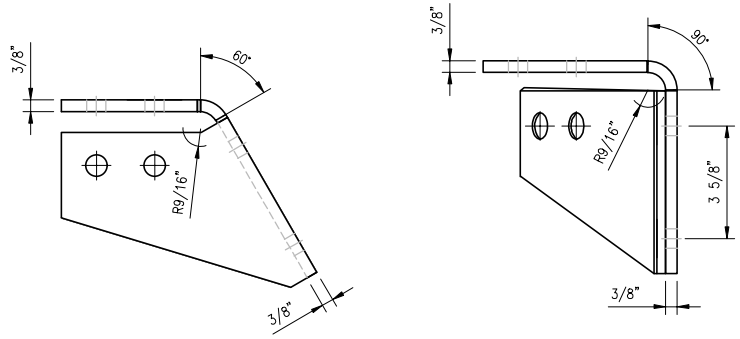
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



TOP VIEW SIDE VIEW

CBP-L



TOP VIEW SIDE VIEW

CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

VzW SMART Tool© Vendor

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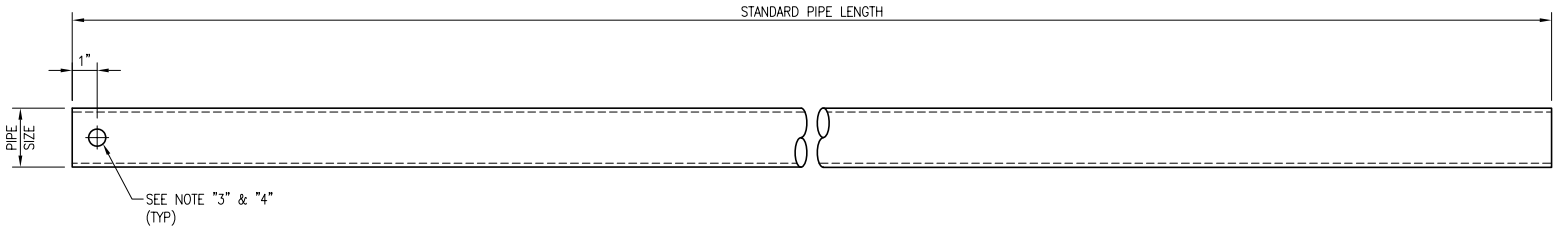
DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER BRACKET

SHEET NUMBER: VZWSMART-PLK3

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

verizon

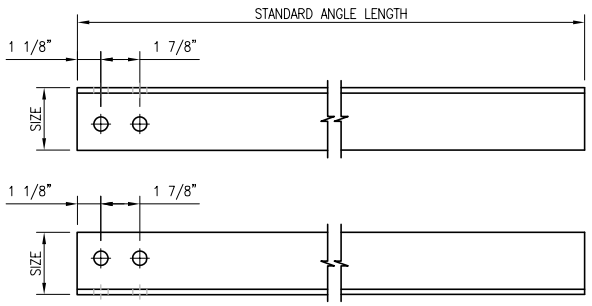
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

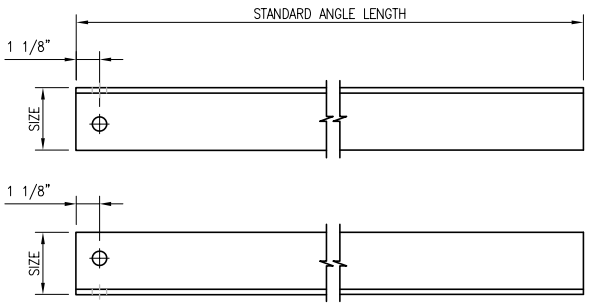
SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE

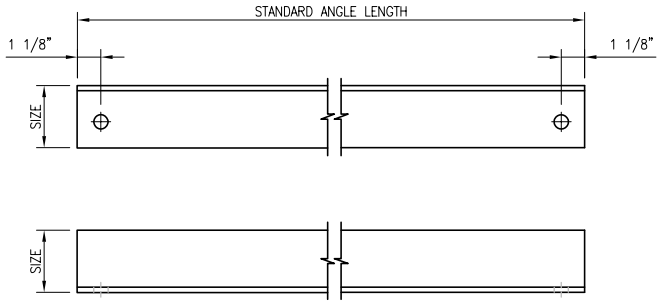
REV #: 0



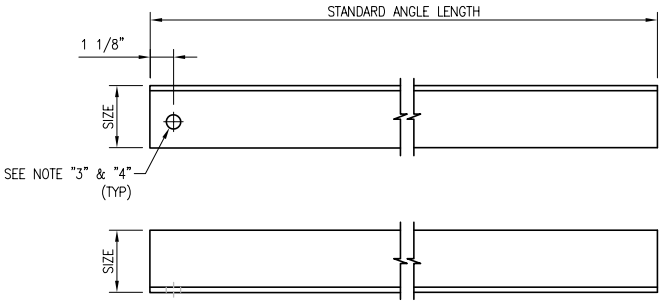
HOLE STYLE "A"



HOLE STYLE "B"



HOLE STYLE "C"



HOLE STYLE "D"

VZWSMART Standard Angle					
VZWSMART Number	Size	Length	Hole Style	Hole Gage	Also Used In:
A-PLK2-01	L 3" X 3" X 1/4"	96"	A	1-3/4"	VZWSMART-PLK2
A-PLK5-01	L 3"X 3" X 3/16"	96"	B	1-3/4"	VZWSMART-PLK5
A-SFK3-01	L 2-1/2" X 2-1/2" X 1/4"	96"	C	1-3/8"	VZWSMART-SFK3,-SFK3-SL, -PLK6, & -PLK8
A-L25X25X4X120	L 2-1/2" X 2-1/2" X 1/4"	120"	D	1-5/16"	
A-L25X25X4X240	L 2-1/2" X 2-1/2" X 1/4"	240"	D	1-5/16"	
A-L30X30X4X120	L 3" X 3" X 1/4"	120"	D	1-1/2"	
A-L30X30X4X240	L 3" X 3" X 1/4"	240"	D	1-1/2"	
A-L40X40X4X120	L 4" X 4" X 1/4"	120"	D	2"	
A-L40X40X4X240	L 4" X 4" X 1/4"	240"	D	2"	
A-L50X30X6X120	L 5" X 3" X 3/8"	120"	D	2-1/2"	
A-L50X50X6X120	L 5" X 5" X 3/8"	120"	D	2-1/2"	

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION ANGLES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL ANGLE GRADE A36 OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

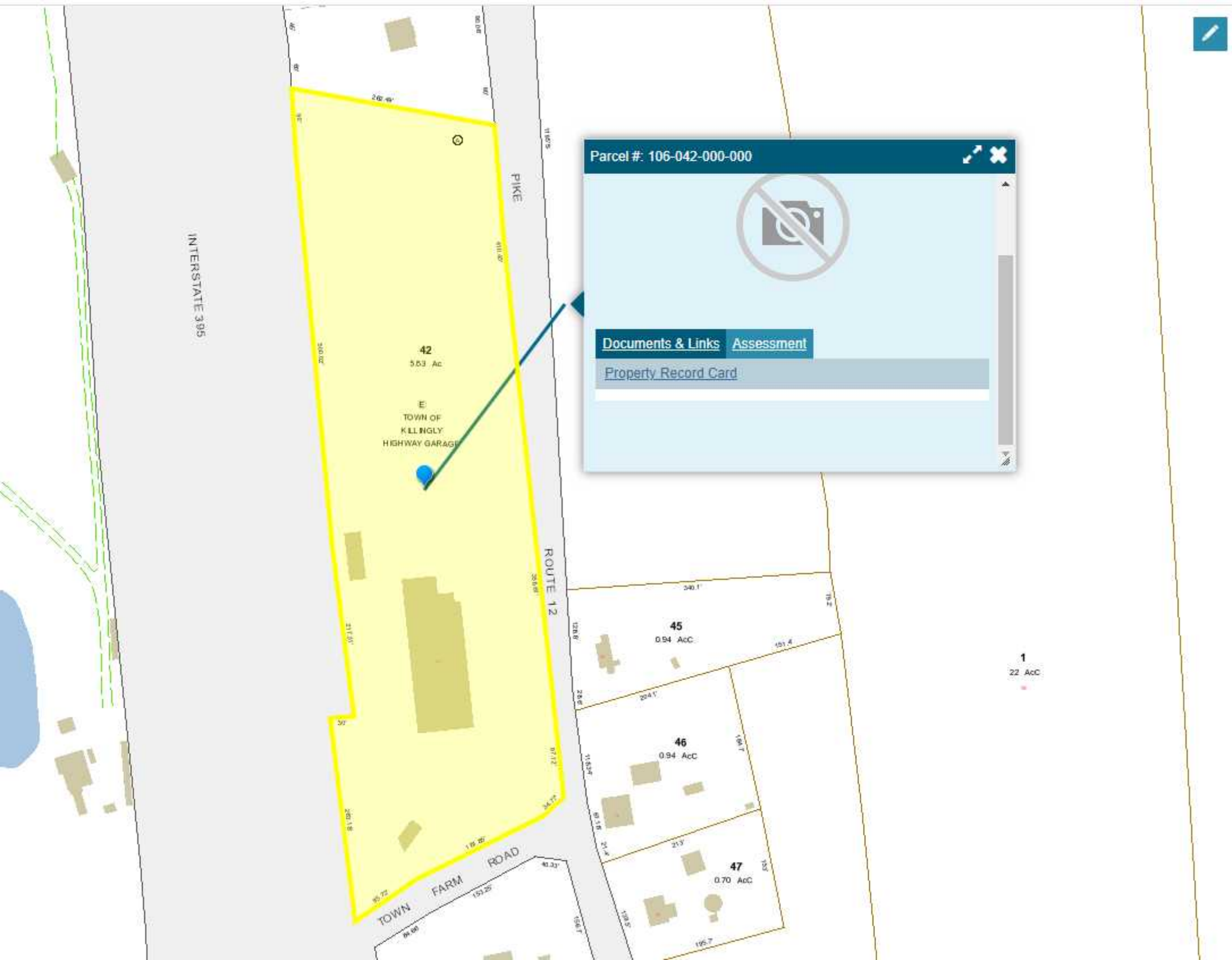
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART STANDARD ANGLE

SHEET NUMBER: VZWSMART-ANGLE

REV #: 0

ATTACHMENT 5


Parcel #: 106-042-000-000
Documents & Links
Assessment
Property Record Card
INTERSTATE 395
PIKE
ROUTE 12
TOWN FARM ROAD
42
5.53 Ac
E
TOWN OF
KILLINGLY
HIGHWAY GARAGE
45
0.94 AcC
46
0.94 AcC
47
0.70 AcC
1
22 AcC

Property Summary Information

Parcel Data And Values | Building | Outbuildings | Sales | Permits

Parcel Information

Location:	79 PUTNAM PIKE	Property Use:	Public Use	Primary Use:	Town Hall
Unique ID:	6994	Map Block Lot:	106-42	Acres:	5.83
490 Acres:	0.00	Zone:	GC	Volume / Page:	1375/ 618
Developers Map / Lot:		Census:	9041-1032		

Value Information

	Appraised Value	Assessed Value
Land	604,240	423,010
Buildings	553,600	387,520
Detached Outbuildings	0	0
Total	1,157,840	810,530

Owner's Information

Owner's Data
KILLINGY TOWN OF 172 MAIN ST KILLINGLY CT 06239

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

KILLINGLY CENTER

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	2	2	neopost 03/16/2022 US POSTAGE $002.99⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Mary Calorio, Town Manager Town of Killingly 172 Main Street Killingly, CT 06239				
2.	Ann-Marie Aubrey, Director of Planning and Development Town of Killingly 172 Main Street Killingly, CT 06239				
3.					
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
MAR 16 2022
USPS